


REPORT

OF THE

County Medical Officer of Health

For the Year ended December 31st, 1954



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							PAGE
Ambulances							36
Ante-Natal Clinics							52
Area							30
Artificial Sunlight							54
Authorised Officers							28
B.C.G.							45
Births							32, 53
Blind, Welfare of the							86
Care and After-care							39
Census, 1951							30
Centres, Welfare							56
Day Nurseries							29, 56
Deaf, Welfare of the							88
Deaths							32
Dental Care							53
Domestic Help							84
Food and Drugs Acts							64
Foods, Infant							55
Foods, Welfare							55
Handicapped Persons							86
Health Visitors							10
Home Nursing							21, 46, 85
Illegitimate Children							32
Illness, Prevention of							39
Infantile Mortality							33
Infectious Diseases							47
Laboratory, County							65
Mass Miniature Radiography							42
Maternal Mortality							51
Mental Health							46, 74
Midwives							26, 62
Milk (Special Designations) Orders							64
Ministry of Health Enquiries							92
Mothers and Young Children							51
Nursing Homes							61
Occupation Centres							29, 82
Old People, Homes for							61
Ophthalmia Neonatorum							87
Orthopædic Scheme							54
Population							30
Post-Natal Clinics							52
Premature Infants							51
Puerperal Pyrexia							51
Rateable Value							30
Recuperative Convalescence							47
Sewerage and Sewage Disposal							91
Staff							8
Statistics, Tables of							95
Still-births							32
Tuberculosis							39
Unmarried Mothers							56
Vaccination and Immunisation							34
Water Supply							91
Whooping Cough							35
Wrenbury Hall							39
Zymotic Deaths							32

Introduction

*To the Chairman and Members
of the County Health Committee.*

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report on the Health of the Administrative County of Cheshire for the year 1954.

Although the death rate (11.9 per 1,000 population) was little different from that in the preceding year, the statistics of the causes of death (Tables A and B) shew certain disquieting trends. Deaths from cancer of the lungs and bronchi were again increased and were more than three times those from pulmonary tuberculosis, these latter being indeed the lowest ever recorded in the County. I must also draw attention to the steadily increasing proportion of males to females amongst the deaths between the ages of 45 and 65; whereas twenty years ago the crude death rate for females between those ages was approximately 30% higher than in 1954, the crude death rate for males has only fallen in the same period by 1.5%. To put it in another way, 60.4% of the deaths in 1954 between the ages of 45 and 65 were of males compared with 54.1% in 1934. The two main factors, both of them increasing as a cause of death, and both with an overwhelmingly marked predilection for males, are cancer of the lungs and bronchi, and coronary disease of the heart (angina).

The County Health Department, by means of the health visitors, is collaborating with the Cheshire and North Wales branch of the British Empire Cancer Campaign in the compilation of social histories of persons dying from cancer. The Sanitary Inspectors of the County District Councils are collecting soil samples from the gardens of persons dying from stomach cancer, and apparatus for the estimation of atmospheric pollution has been set up at two localities in the western half of the County.

Maternal deaths numbered 5, the lowest figure ever recorded in Cheshire, and notifications of tuberculosis were markedly reduced and were lower than they have ever been. There was only one case of diphtheria during the year, and no deaths were recorded from diphtheria, whooping cough or poliomyelitis. The deaths of infants under the age of one year were slightly increased in number.

Particulars are given on pages 45 and 46 of contacts and school leavers vaccinated against tuberculosis by B.C.G. It is particularly gratifying to note the encouraging response of parents to the Council's scheme.

The Committee has continued its policy of purchasing "sitting-case ambulances" for the transport of non-urgent patients to hospitals, and this is having results in lower running costs. A further development has been the adoption of a policy of interchangeability of drivers and attendants. Consultations are proceeding towards the fusion of the hitherto separate Altrincham and Sale ambulance services, whereby eventually the night and weekend ambulance services for a population of 120,000 will be centred upon one station.

Cheshire was delighted to welcome Miss P. Hornsby Smith, M.P., Parliamentary Secretary to the Ministry of Health, when she opened in November 1954 the new clinic centre at Cheadle and the William Gibson Hostel for 60 trainees at Wrenbury Hall Rehabilitation Centre and Tuberculosis Colony. Negotiations with the Ministry of Labour have resulted in substantial contributions from that Ministry towards the cost of industrial training at Wrenbury and the necessary equipment, thereby enabling a more comprehensive training to be provided.

Only three areas of the County were visited by miniature radiography units during 1954. I am glad to report that the attention given to Cheshire by this Regional Hospital Board service has been greater in 1955, and that arrangements have been made whereby school leavers found to be tuberculin positive can be examined by miniature radiography.

Many of the County ante-natal clinics are now visited by physiotherapists who conduct relaxation classes for expectant mothers. Co-operation with the Central Wirral Hospital Management Committee has resulted in the increased use of ante-natal clinics in the County clinic centres in the Wirral area by women for whom arrangements have been made to be confined at Clatterbridge Hospital.

Other instances of co-operation with Hospital Management Committees have been the decisions to make joint appointments of Psychiatric Social Workers at Deva and Macclesfield Mental Hospitals, and the use to be made of the Runcorn clinic centre by the Chester Hospital Management Committee's mobile physiotherapy unit.

Additional occupation centres for mental defectives have been opened at Hyde and Macclesfield. When the Nantwich centre is ready, it is considered that with the arrangements made for transport, the County will be adequately covered as regards this important and greatly appreciated service.

The Committee have approved the provision of "sitters in" for elderly sick persons in certain circumstances, and are experimenting in one division with a scheme for collection and laundering of foul washing from aged and handicapped persons. Assistance is frequently given towards the adaptation of the homes of handicapped persons so that these may overcome their handicaps.

Anxiety is felt regarding the difficulty in providing houses and garage accommodation for home nurses and midwives. Increasing difficulty is found in the recruitment of suitable nurses for vacant posts if no house is readily available.

I must express my appreciation of the work of the health visitors whose duties are steadily increasing and who are coping with a growing population in many areas. As more cannot be recruited at the present time, it is very necessary to ensure that their basic duties amongst mothers and young children, school children, tuberculous patients, mental defectives and sick and handicapped persons are not impeded by other duties which although important may be regarded as somewhat extraneous.

The question of early diagnosis and treatment of children suffering from cerebral palsy has been carefully considered and it has been decided to set up experimentally a team composed of a specially trained physiotherapist and occupational therapist who with the assistance of the County speech therapists will carry out treatment of spastic infants and young children at certain clinic centres. Unfortunately, it has not been possible so far to obtain the services of a suitable physiotherapist although an occupational therapist has been provisionally appointed.

Through the efforts of the Placement Officers of the National Institute for the Blind an increased number of blind persons is now being employed in open industry. When necessary, suitable blind persons are sent to Oldbury Grange, Bridgnorth, for social rehabilitation.

Certain health visitors have received training at the Manchester University Department for Education of the Deaf, in the early recognition and estimation of deafness in infancy.

As in previous years, regular monthly meetings have taken place with the Divisional Medical Officers, and these have helped to create a feeling of unity amongst the preventive health services of Cheshire whilst at the same time retaining the individuality of the several divisions.

I wish to thank the Chairman and Members of the County Health Committee and of the Divisional Health Committees for their support and help during the year. My sincere thanks are also due to the Clerk of the County Council and other Heads of Departments and their Deputies for their very willing co-operation and assistance on all occasions, and I acknowledge with deep gratitude the work, loyalty and friendship invariably shown to me by the whole of the staff of the Health Department throughout its many activities and varied functions.

I beg to remain,

Your obedient servant,

ARNOLD BROWN.

14th November, 1955.

Staff of the Public Health Department

County Medical Officer of Health and Principal School Medical Officer	Arnold Brown, M.B., Ch.B., D.P.H.
Deputy County Medical Officer of Health	B. G. Gretton-Watson, M.A., M.B., B.Ch., D.P.H., Barrister-at-Law.
Senior Medical Officer for Maternity and Child Welfare	B. M. Butters, M.A., M.B., Ch. B., D.P.H.
Senior Assistant School Medical Officer	H. Craig, L.R.C.P. & S., L.R.F.P.S.
Assistant County Medical Officers	R. A. Blyth, M.B., Ch.B., M.R.C.S., L.R.C.P. Ena Cant, M.B., Ch.B. R. Cargill, M.B., Ch.B. R. J. Clark, M.B., Ch.B., D.P.H. Jenny Craig, M.B., Ch.B., D.P.H. Hilda Dean, M.R.C.S., L.R.C.P. Aitolia English, M.R.C.S., L.R.C.P., M.B., B.S., D.C.H. Barbara Jones, M.B., Ch.B. Christina Laing, M.B., Ch.B., D.P.H. D. W. J. O'Neill, M.R.C.S., L.R.C.P. Alta Stout, M.B., Ch.B. Jessie Tough, M.B., Ch.B., D.P.H. Gladys Wilkinson, M.R.C.S., L.R.C.P.
Divisional Medical Officers	
<i>Altrincham</i>	D. Longbottom, M.B., Ch.B., D.P.H.
<i>Bebington</i>	D. O. Macdonald, M.B., Ch.B., D.P.H., R.C.P.S.
<i>Cheadle and Wilmslow</i>	D. G. Anderson, M.B., Ch.B., D.P.H.
<i>Croce</i>	D. G. Crawshaw, M.B., M.R.C.S., D.C.H., D.P.H.
<i>Deeside</i>	J. Hatton, M.D., D.P.H.
<i>Hyde</i>	F. W. C. Brown, M.D., D.P.H.
<i>Macclesfield</i>	H. R. Dugdale, M.B., Ch.B., D.P.H.
<i>Mid-Cheshire</i>	W. S. Slater, M.B., M.R.C.S., D.P.H.
<i>Nantwich</i>	R. K. Hay, M.D., B.Ch., B.A.O., D.P.H.
<i>N. E. Cheshire</i>	T. W. Brindle, M.B., Ch.B., D.P.H.
<i>Runcorn</i>	E. N. H. Gray, L.R.C.P. & S., L.M., D.P.H.
<i>Sale and Lymm</i>	A. T. Burn, M.B., B.S., D.P.H.
<i>S. E. Cheshire</i>	L. Rich, M.B., Ch.B., M.R.C.O.G., D.P.H.
<i>S. W. Cheshire</i>	W. J. Birchall, M.B., M.R.C.S., L.R.C.P., D.P.H.
<i>Stalybridge and Dukinfield</i>	T. Holme, M.B., Ch.B., D.P.H.
County Analyst	J. G. Sherratt, F.R.I.C.

Dental Surgeons

H. R. Parry, L.D.S. (Principal).
 Edith Andrew, L.D.S.
 J. B. Andrew, B.D.S., R.C.S.
 Constance Armstrong, B.D.S.
 E. Bradley, L.D.S.
 D. M. Dodd, L.D.S.
 E. C. Griffin, L.D.S.
 A. F. Hely, C.B., L.D.S.
 R. H. Hurst, L.D.S.
 H. Jackson, L.D.S.
 Lisbeth Kippen, L.D.S., D.P.D.
 J. Lancashire, L.D.S.
 A. N. Leicester, B.D.S.
 F. C. Littleton, L.D.S.
 Muriel Manwood, L.D.S. (pt.-time).
 H. P. Meek, L.D.S.
 J. S. O'Brien, L.D.S.
 Ruth Owen, L.D.S.
 E. S. Poulter, L.D.S.
 J. A. Reece, L.D.S.
 H. W. S. Sheasby, L.D.S.
 W. L. Tatlock, L.D.S.
 E. J. Taylor, L.D.S.
 Margaret Taylor, B.D.S. (pt.-time).
 Dorothy Walker, L.D.S.

Ophthalmic Surgeons (Part-time)

B. Boas, M.D.
 P. J. Devlin, M.B., Ch.B., D.O.M.S.
 A. Holmes-Smith, M.A., M.B., B.Chir.,
 D.O.M.S.
 C. Jacobs, M.D., M.B., B.S.
 E. Riley, M.B., Ch.B., D.O.M.S.
 L. R. C. Rose, L.M.S.S.A., D.O.
 Dorothy Simmons, M.B., Ch.B.

Orthopaedic Surgeons (Part-time)

T. Jackson, M.R.C.S., L.R.C.P.
 J. L. Mangan, F.R.C.S.I.
 K. Marks, M.Ch., F.R.C.S.
 A. G. O'Malley, M.Ch., F.R.C.S.
 G. T. Partridge, M.A., M.B., F.R.C.S.
 R. Roaf, M.A., F.R.C.S.
 I. W. Winchester, M.Ch., F.R.C.S.

Paediatrician (Part-time)

J. D. Allan, M.D., F.R.C.P.

Ear, Nose and Throat Surgeons (Part-time)

E. M. Innes, F.R.C.S., D.L.O.
 G. A. Moulden, M.B., Ch.B., D.L.O.

Chest Physicians (Part-time)

J. Black, M.D., F.R.F.P.S., M.R.C.P.
 D. L. Caldwell, M.A., M.R.C.P.
 A. Fleming, M.B., Ch.B., D.P.H.
 A. C. C. Hughes, M.A., M.D., M.R.C.P.
 E. Ratner, M.D., Ch.B., D.P.H.
 E. R. Smith, M.D., Ch.B., D.P.H.
 D. W. C. Tough, M.B., Ch.B., D.P.H.

Chief Administrative Assistant

B. O'Connor, M.A., Barrister-at-Law.

County Sanitary Officer

F. Humphries.

Supt. Authorised Officer

J. Danby.

Superintendent of Home Nursing

Miss I. N. Vaughan.

Non-Medical Supervisor of Midwives

Miss A. M. Reynolds.

Assistant Superintendent of Home Nursing

Miss E. Johnson.

HEALTH VISITORS & SCHOOL NURSES (103)

	CIVIL PARISHES	CENTRES & CLINICS
DISTRICT No. 1a. Miss J. Briscoe, Broomfield, Meols Drive, Hoylake (Tel. Hoylake 2322)	Hoylake-cum-West Kirby (Meols, Hoose & Central Wards)	Welfare Centre, Broomfield, Meols Drive, Thurs. p.m. Hoylake, M.A. Clinic, Broomfield, Meols Drive, Fri. a.m. Hoylake Eye Clinic, Broomfield, Meols Drive, Hoylake 1st & 3rd Fri. p.m. Ante-Natal Clinic, Broomfield, Meols Drive, Tues. a.m. Hoylake
DISTRICT No. 1b. Mrs. D. Christian, 87, Palm Grove, Oxtou, Birkenhead (Tel. Birkenhead 4702)	Grange Hoylake-cum-West Kirby (Park & South Wards)	Welfare Centre, Parish Hall, West Kirby Fri. p.m. Ante-Natal Clinic, Broomfield, Meols Drive, Tues. a.m. Hoylake
DISTRICT No. 2a. Mrs. V. R. Blades,* 17, Leighton Road, Tranmere, Birkenhead (Tel. Birk. 1839)		Welfare Centre, Plymyard, Eastham Mon. p.m. (Tel. Eastham 1336) Welfare Centre, Victoria Hall, Hr. Bebington Tues. p.m. (Tel. Mountwood 1527) Welfare Centre, New Ferry Park, Wed. p.m. (Tel. R. F. 1143) Welfare Centre, Council Offices, Bromborough Thurs. p.m. (Tel. Brom. 2102) Welfare Centre, Mayer Hall, Bebington Fri. p.m. (Tel. R. F. 1440) Ante and Post Natal Clinic, New Ferry Park Mon. & Fri. a.m. Welfare Centre, Victoria Hall, Hr. Bebington Tues. p.m. Ante and Post Natal Clinic, New Ferry Park Fri. a.m. Ante and Post Natal Clinic, New Ferry Park Mon. a.m. Welfare Centre, Women's Institute, Thornton 1st and 3rd Fri. p.m. Hough Eye Clinic, St. Mark's Parish Room, New Fri. a.m. Ferry
Miss B. Shepherd,* 13, Probyn Road, Wallasey (Tel. Wallasey 1060)	Bebington M.B. (Woodhey & Hr. Bebington Wards)	
Mrs. E. Symes,* Flat 7, Windy Knowe, Waterford Road, Oxtou, Birkenhead (Tel. Birk. 1706)	Bebington M.B. (Poulton Ward)	
Miss E. Nicholson,* Rotherwood (Flat 6), Mill Road, Hr. Bebington (Tel. Mountwood 1949)	Bebington M.B. (Bebington & Sunlight Wards)	Ante & Post Natal Clinic, New Ferry Park Fri. a.m. Welfare Centre, Mayer Hall, Bebington Fri. p.m.
Miss E. Wright,* 705, Borough Road, Birkenhead	Bebington M.B. (Eastham Ward)	Ante & Post Natal Clinic, New Ferry Park Mon. a.m. Welfare Centre, Plymyard Eastham Mon. p.m. Toddlers' Centre, Plymyard, Eastham 3rd Fri. p.m.
Miss R. Abraham,* 21, Rock Park, Rock Ferry (Tel. R.F. 728)	Bebington M.B. (N. & S. Bromborough Wards)	Ante & Post Natal Clinic, New Ferry Park Fri. a.m. Welfare Centre, Council Offices, Bromborough Thurs. p.m. M.A. Clinic, Council Offices, Bromborough 1st Tues. a.m.
	Bebington M.B. (Park & New Ferry Wards)	Ante & Post Natal Clinic, New Ferry Park Mon. a.m. Welfare Centre, New Ferry Park Wed. p.m.
Mrs. D. Bushell, † 6, Briade Road, Liverpool, 13.	† Visits Schools in Bebington M.B.	M.A. Clinic, St. Mark's Parish Room, New Mon. to Fri. p.m. Ferry (Tel. R.F. 1213)

*These Health Visitors also attend on rota the clinics listed opposite.

Eye Clinic, New Ferry Park
3rd Sat. a.m.
E.N.T. Clinic, New Ferry Park
Monthly Sat. a.m.
Sun-Ray Clinic, New Ferry Park
Tues. & Fri. p.m.
Toddlers' Centre, New Ferry Park
2nd Thurs. p.m.

	CIVIL PARISHES	CENTRES & CLINICS
DISTRICT No. 2b. Miss E. L. Roberts, 23, Penmon Drive, Heswall, Wirral	Buiron Capenhurst Ledsham Ness	Neston-cum- Parkgate Puddington Shotwick Willaston Woodbank
		Welfare Centre, Mellock Lane, Neston <i>Thurs. p.m.</i> (Tel. Neston 2189) M.A. Clinic, Mellock Lane, Neston <i>Tues. a.m.</i> Eye Clinic, Mellock Lane, Neston <i>1st Wed. a.m.</i> Ante-Natal Clinic, Mellock Lane, Neston <i>Mon. a.m.</i> Welfare Centre, Red Cross Depot, Willaston <i>1st & 3rd Fri. p.m.</i>
DISTRICT No. 2c. Mrs. E. G. Sinden, Gayton Grange (Flat 5), Well Lane, Gayton, Wirral (Tel. Heswall 2706)	Irby Pensby Thurstaston	Welfare Centre, Methodist Hall, Mill Hill <i>Wed. p.m.</i> Road, Irby Ante-Natal Clinic, Telegraph Rd., Heswall <i>Thurs. a.m.</i> Welfare Centre, Telegraph Rd., Heswall <i>Mon. p.m.</i>
DISTRICT No. 2d. Miss M. Okill, 32, Berwyn Avenue, Thingwall, Birkenhead	Barnston Gayton Heswall-cum-Oldfield	Welfare Centre, Telegraph Rd., Heswall <i>Mon. p.m.</i> (Tel. Heswall 3551) M.A. Clinic, Telegraph Rd., Heswall <i>Tues. p.m.</i> Eye Clinic, Telegraph Rd., Heswall <i>2nd & 4th Fri. p.m.</i> Ante-Natal Clinic, Telegraph Rd., Heswall <i>Thurs. a.m.</i> Paediatric Clinic, Telegraph Rd., Heswall <i>Tues. p.m.</i>
DISTRICT No. 2e. Miss D. Maybury, 149, Heath Road, Bebington (Tel. Mountwood 3254)	Caldy Frankby Greasby	Welfare Centre, Methodist Church Hall, <i>Tues. p.m.</i> Greasby Ante-Natal Clinic, Mellock Lane, Neston <i>Mon. a.m.</i>
DISTRICT No. 3a. Miss C. G. McKee, 12, Thamesdale, Ellesmere Port (Tel. E. P. 2542) Miss E. H. Marston, 23, Glan Aber Park, Hough Green, Chester (Tel. Chester 23679) Miss G. M. Thorburn, Flat 2, 35, Liverpool Road, Chester Miss M. L. Bate, Waterdale, 86, Chester Road, Ellesmere Port (Tel. E. P. 9) Miss J. F. Fawcett, 52, Princes Boulevard, Bebington (Tel. Rock Ferry 4544) Miss K. E. Cawthorn, 19, Kirket Lane, Bebington	Ellesmere Port U.D. (N.W. & N.E. Wards) Ellesmere Port U.D. (Victoria & Grange (Pt.) Wards) Ellesmere Port U.D. (South & Whitby Wards) Ellesmere Port U.D. (Ince & Stanney Wards) Ellesmere Port U.D. (Gt. Sutton, L. Sutton, and Childer Thornton Wards) Ellesmere Port U.D. (Overpool & Grange (Pt.) Wards)	Welfare Centre, York Road, Ellesmere Port <i>Tues. & Fri. p.m.</i> (Tel. E. Port 328) Ante-Natal Clinic, York Road, Ellesmere Port <i>Wed. p.m.</i> M.A. Clinic, York Road, Ellesmere Port) <i>Mon. & Thurs. a.m.</i> Ante-Natal Clinic, York Road, Ellesmere Port <i>Wed. p.m.</i> Welfare Centre, York Road, Ellesmere Port <i>Tues. p.m.</i> Welfare Centre, York Road, Ellesmere Port <i>Fri. p.m.</i> E.N.T. Clinic, York Road, Ellesmere Port <i>Alt. Mon. a.m.</i> Ante Natal Clinic, Chester Road, Little <i>Fri. a.m.</i> Sutton Welfare Centre, York Road, Ellesmere Port <i>Tues. p.m.</i> Ante Natal Clinic, York Road, Ellesmere Port <i>Wed. p.m.</i> Ante-Natal Clinic, Chester Road, Little <i>Fri. a.m.</i> Sutton Welfare Centre, Village Hall, Ince <i>2nd & 4th Thurs. p.m.</i> Welfare Centre, Chester Road, Little Sutton <i>Mon. p.m.</i> M.A. Clinic, Chester Road, Little Sutton <i>Fri. a.m.</i> Midwives' Clinic, Chester Road, Little Sutton <i>Thurs. p.m.</i> Ante-Natal Clinic, Chester Road, Little <i>Fri. a.m.</i> Sutton Welfare Centre, Community Centre, Overpool <i>1st & 3rd Thurs. p.m.</i> Eye Clinic, York Road, Ellesmere Port <i>Fri. a.m.</i> Ante-Natal Clinic, York Road, Ellesmere Port <i>Wed., p.m.</i>

CIVIL PARISHES

CENTRES & CLINICS

DISTRICT No. 3b,

Miss D. Toft,
The Oaks Lodge,
Upton,
Chester
(Tel. Chester 236381)

Aldford
Buerton
Chester Castle
Christleton
Churton Heath
Claverton
Doddleston
Eaton
Forleston
Golborne Bellow
Golborne David

Handley
Huntington
Kinnerton
Lea Newbold
Marlston
Newton-by-T'hal
Poulton
Pulford
Rowton
Saughton
Tattenhall

Welfare Centre, Barbour Institute, Tattenhall
1st & 3rd Mon. p.m.
Welfare Centre, Village Hall, Huntington
2nd & 4th Wed. p.m.
M.A. Clinic, Barbour Institute, Tattenhall
Wed. a.m.

DISTRICT No. 4a

Miss B. Jackson,
30, Acres Lane,
Upton,
Chester

Barrow
Bridge Trafford
Dunham-on-the-Hill
Elton
Great Boughton
Guilden Sutton
Hapsford
Hoole Village

Littleton
Little Stanney
Mickle Trafford
Picton
Stoke
Thornton-le-Moors
Wimbolds
Trafford

School Clinic, 55, Hoole Road, Chester
1st Mon. a.m.
Eye Clinic, 55, Hoole Road, Chester
1st Fri. p.m.
Welfare Centre, Village Hall, Barrow
1st & 3rd Wed. p.m.

DISTRICT No. 4b.

Miss M. G. E. Crawford,
8a, Abbots Grange,
Chester
Tel. Chester 24420)

Bache
Backford
Caughall
Chorlton-by-Backford
Croughton

Lea-by-Backford
Mollington
Moston
Saughall
Shotwick Park
Upton
Wervin

Welfare Centre, Village Hall, Upton
Thurs. p.m.
Welfare Centre, Vernon Institute, Saughall
1st, 3rd & 5th Mon. p.m.

DISTRICT No. 5

Miss M. Gourlay,
Castle View,
Clotton Lane,
Huxley,
Chester
(Tel. Huxley 82)

Ashton
Beeston
Bruen Stapleford
Burton-by-Tarvin
Clotton Hoofield
Cotton Abbotts
Cotton Edmunds
Delamere
Duddon
Eaton
Foulk Stapleford
Hatton
Hockenhull
Hor-on-cum-Peel

Huxley
Iddinshall
Kelsall
Mouldsworth
Pryor's Heys
Rushton
Tarporley
Tarvin
Tilstone Fearnall
Tiverton
Utkinton
Waverton
Willington

Welfare Centre, Victory Hall, Tarporley.
2nd & 4th Thurs. p.m.
Welfare Centre, Parish Hall, Kelsall
1st & 3rd Tues. p.m.
M.A. Clinic, Victory Hall Tarporley.
Fri. a.m.
Welfare Centre, Radcliffe's Hut, Tarvin
2nd & 4th Wed. p.m.
Eye Clinic, Victory Hall, Tarporley
4th Fri. p.m.

DISTRICT No. 6

Miss W. Jones,
Lyle Village,
Caergwrle,
Nr. Wrexham

Agden
Aldersey
Barton
Bickerton
Bickley
Bradley
Broxton
Burwardsley
Caldecott
Caiden
Chidlow
Chorlton
Chowley
Church Shocklach
Churton-by-Alfd Malpas
Churton-by-F'don Malpas
Clutton
Coddington

Crewe
Cuddington
Duckington
Edge
Edgerley
Egerton
Farndon
Grafton
Hampton
Harthill
Horton
Kings Marsh
Larkton
Maccen
Malpas
Newton-by-Malpas
Oldcastle

Welfare Centre, Parish Hall, Malpas
1st & 3rd Mon. p.m.
M.A. Clinic, Jubilee Hall, Malpas
Thurs. p.m.
Welfare Centre, Memorial Hall, Farndon
1st & 3rd Tues. p.m.

Overton
Shocklach Oviatt
Stockton
Stretton
Threapwood

Tilston-by-Malpas
Tushingham
Wigland
Wychough

	CIVIL PARISHES		CENTRES & CLINICS
DISTRICT No. 7a. Miss H. K. Coventry, 11, Weston Crescent, Runcorn (Tel. Runcorn 2023)	Runcorn U.D. (Halton Ward)		Welfare Centre, 34, Halton Road, Runcorn (Tel. Runcorn 2449) <i>Wed. a.m. & 1st Thurs. p.m.</i> M.A. Clinic, 28, Halton Road, Runcorn <i>Mon. Tues. Thurs. & Fri. a.m.</i> Welfare Centre, 34, Halton Road, Runcorn <i>Wed. p.m.</i> Welfare Centre, Conservative Hall, Weston <i>1st & 3rd Thurs. p.m.</i> Point Welfare Centre, 34, Halton Road, Runcorn <i>Wed. a.m.</i> M.A. Clinic, 28, Halton Road, Runcorn <i>Tues. & Fri. a.m. Thurs. p.m.</i> Paediatric Clinic, Memorial Hospital, Runcorn <i>Wed. p.m.</i> Welfare Centre, 34 Halton Road, Runcorn <i>Wed. p.m. & 2nd Mon. a.m.</i> M.A. Clinic, 28, Halton Road, Runcorn <i>Mon. p.m.</i> Ante- & Post-Natal Clinic, 34, Halton Road, <i>Thurs. a.m.</i> Runcorn Eye Clinic, 28, Halton Road, Runcorn <i>Tues. p.m.</i>
Mrs. E. Briers, 17, Cornwall Avenue, Runcorn	Runcorn U.D. (Heath Ward (pt. i) and Weston Ward)		
Miss A. Davies, 3, Cornwall Street, Runcorn	Runcorn U.D. (Heath Ward (part ii) and Newtown Ward)		
Mrs. J. Delaney, 10, Stanley Villas, Runcorn (Tel. Runcorn 2556)	Runcorn U.D., (Bridgewater, Central & Mersey Wards)		
DISTR. CT 7b. Miss S. E. Robinson, 11, Weston Crescent, Runcorn (Tel. Runcorn 2023)	Aston Daresbury Dutton Halton Hatton Kingsley Moore	Norley Norton Preston Brook Sutton Walton Whitley	Welfare Centre, The Rock, Frodsham <i>Alt. Tues. p.m.</i> Welfare Centre, Hurst Church Hall, Kingsley <i>2nd & 4th Wed. p.m.</i>
DISTRICT No. 8. Miss R. Potter, 262, Padgate Lane, Padgate, Warrington	Alvanley Frodsham Helsby	Manley	Welfare Centre, The Rock, Frodsham <i>Alt. Tues. p.m.</i> (Tel. Frodsham 2388) M.A. Clinic, The Rock, Frodsham <i>Thurs. p.m. (as required)</i> Eye Clinic, The Rock, Frodsham <i>4th Thurs. a.m.</i> E.N.T. Clinic, The Rock, Frodsham <i>Odd months 3rd Thurs. a.m.</i> Welfare Centre, Cable Works, Helsby <i>Alt. Tues. p.m.</i>
DISTRICT No. 9a Miss J. L. Hill Darland House, Winnington Hill, Northwich (Tel. Northwich 4643)	Acton Anderton Barnton Comberbach Crown	Great Budworth Little Leigh Marbury	M.A. Clinic, Methodist Church, Barnton <i>Wed. a.m.</i> Welfare Centre, Meth. Church, Barnton <i>2nd & 4th Wed. a.m.</i> Welfare Centre Parish Hall, Comberbach <i>1st & 3rd Wed. p.m.</i>
DISTRICT No. 9b. Mrs. J. Bleazard, Cartref, West Road, Weaverham, Northwich (Tel. Weaverham 2330)	Weaverham		Welfare Centre, 23, Church Lane, Weaverham <i>Tues. p.m.</i> (Tel. Weav. 3177) M.A. Clinic, 23, Church Lane, Weaverham <i>Fri. a.m.</i> Eye Clinic, 23, Church Lane, Weaverham <i>3rd Fri. p.m.</i>
DISTRICT No. 10. Miss D. Parkinson, 131, Walnut Avenue, Weaverham, Northwich	Allostock Aston-by-Bud'th Bexton Goostrey Marston Mere Nether Peover	Peover Inferior Pickmere Plumley Tabley Inferior Tabley Superior Wincham	Welfare Centre, The Institute, Lower Peover <i>2nd & 4th Mon. p.m.</i> Eye Clinic, Parkfield, Northwich <i>1st, 2nd & 3rd Thurs. a.m.</i> Welfare Centre, Social Club, Goostrey <i>1st & 3rd Tues. p.m.</i> Welfare Centre, Village Hall, Plumley <i>1st & 3rd Thurs. p.m.</i> Welfare Centre, County Offices, Bexton Rd., <i>Wed. p.m.</i> Knutsford M.A. Clinic, County Offices, Bexton Road, <i>Wed. a.m.</i> Knutsford (Tel. Knutsford 273) Eye Clinic, County Offices, Bexton Rd., <i>3rd. Thurs. p.m.</i> Knutsford Welfare Centre, Parish Room, Over Peover <i>1st & 3rd Mon. p.m.</i> Midwives' Clinic, Bexton Road, Knutsford <i>2nd & 4th Mon. p.m.</i>
Miss H. M. Dawson, Bollin Grove, Prestbury, Macclesfield	Knutsford U.D. Ollerton Peover Superior Toft		

	CIVIL PARISHES	CENTRES & CLINICS
DISTRICT No. 11. Miss A. McDonald, 131, Walnut Avenue, Weaverham, Northwich.	Northwich U.D. (Witton and Northwich Wards)	Welfare Centre, Darland House, Northwich <i>Tues. p.m.</i> Welfare Centre, Parkfield, Northwich <i>Thurs. p.m.</i> Paediatric Clinic, Darland House, Northwich <i>4th Mon. p.m.</i>
Miss A. Bullough Darland House, Winnington Hill, Northwich	Northwich U.D. (Castle and Winnington Wards)	M.A. Clinic, Darland House, Northwich <i>Tues. & Fri. a.m.</i> Ante-Natal Clinic, Parkfield, Northwich <i>Mon. p.m.</i> Welfare Centre, Darland House, Northwich <i>Tues. p.m.</i> M.A. Clinic, Darland House, Northwich <i>2nd Fri. p.m.</i>
DISTRICT 12a, Mrs. M. T. H. Twigg, 7, St. Leonards Drive, Timperley, Altrincham (Tel. Altrincham 5229)	Lach Dennis Lostock Gralam Rudheath Wharcroft	M.A. Clinic, Parkfield, Northwich <i>Mon., Wed., Fri. & 1st Thurs. a.m.</i> Welfare Centre, Parkfield, Northwich <i>Thurs. p.m.</i> Ante-Natal Clinic, Parkfield, Northwich <i>Mon. p.m.</i>
DISTRICT No. 12b. Miss P. Holt, Ivy House, Dunham Town, Altrincham	Cuddington Hartford	Welfare Centre, Community Centre, Delamere Park, Cuddington <i>1st. & 3rd. Wed. p.m.</i> E.N.T. Clinic, Parkfield, Northwich <i>2nd. Fri. a.m.</i> Welfare Centre, Meth. Chapel, Hartford <i>2nd & 4th Tues. p.m.</i> Ante-Natal Clinic, Parkfield, Northwich <i>Mon. p.m.</i> Welfare Centre, Church Hall, Sandiway <i>1st & 3rd Tues. p.m.</i>
DISTRICT No. 13a Miss G. W. Johnson, Highfield, Swanlow Lane, Winsford	Winsford U.D. (Vale Royal & Wharton Wards) Darnhall Marton Davenham Moulton Little Budworth Oakmere	Welfare Centre, 98, Weaver Street, Winsford <i>Fri. & 1st Thurs. p.m. (Tel. Winsford 2387)</i> Welfare Centre, Church Hall, Moulton <i>3rd Wed. p.m.</i> Welfare Centre, Methodist Church, Davenham <i>1st Mon. p.m.</i> Eye Clinic, 98, Weaver Street, Winsford <i>1st & 3rd Thurs. a.m.</i>
DISTRICT No. 13b. Miss J. M. Gassick, 471, Chester Road, Hartford, Nr. Northwich (Tel. Sandiway 2040)	Winsford U.D. (Gravel, Over & Swanlow Wards)	Welfare Centre, 98, Weaver Street, Winsford <i>Fri. & 1st Thurs. p.m.</i> M.A. Clinic, 98, Weaver Street, Winsford <i>Mon. p.m.</i> E.N.T. Clinic, 98, Weaver Street, Winsford <i>2nd Wed. p.m.</i>
DISTRICT No. 14. Mrs. G. Street, 3, Saltersford Corner, Holmes Chapel	Middlewich U.D. Sproston Bostock Stanthorne Byley Tetton Church Hulme Wimboldsley Crannage	Welfare Centre, 85, Wheelock Street, Middlewich <i>Mon. p.m.</i> M.A. Clinic, 85, Wheelock Street, Middlewich <i>Mon., a.m.</i> Eye Clinic, 85, Wheelock Street, Middlewich <i>3rd Tues. p.m.</i> E.N.T. Clinic, 85, Wheelock Street, Middlewich <i>Even months 4th Thurs. a.m.</i> Welfare Centre, Victoria Hall, Holmes Chapel <i>2nd & 4th Tues. p.m.</i>
DISTRICT No. 15. Miss E. M. Scott, The Dowery, Barker Street, Nantwich	Nantwich U.D. (Barony, Wellington and Willaston Wards) Alraham Leighton Aston-juxta Minshull Vernon Mondrum Poole Calveley Wardle Cholmondeston Warmingham Church Minshull Wettenhall Henhull Woolstanwood Worleston	Welfare Centre, The Dowery, Nantwich <i>Thurs. p.m. (Tel. Nantwich 5360)</i> M.A. Clinic, The Dowery, Nantwich <i>Wed. a.m.</i> Eye Clinic, The Dowery, Nantwich <i>2nd & 4th Thurs. a.m.</i>

	CIVIL PARISHES		CENTRES & CLINICS
DISTRICT No. 16a Mrs. F. G. Kirkham, St. Bees, Marsh Lane, Nantwich	Nantwich U.D. (Weaver Ward) Acton Faddiley Austerson Haughton Baddiley Hurleston Baddington Marbury Batherton Norbury Brindley Peckforton Broomhall Ridley Bulkeley Sound Bunbury Spurstow Burland Stapeley Cholmondeley Stoke Chorley Wirswall Coole Pilate Woodcott Edleston Wrenbury		Welfare Centre, The Dowery, Nantwich <i>Thurs. p.m.</i>
DISTRICT No. 16b. Miss D. Griffiths, East View, Little Heath, Audlem	Audlem BASFORD Blakenhall Bridgemere Buerton Checkley-cum- Wrinchill Chorlton Dodcott-cum- Wilkesley Doddington	Hankelow Hatherton Hough Hunsterson Lea Newhall Rope Shavington Walgherton Weston Wybunbury	Welfare Centre, Wesleyan Chapel, Audlem <i>1st and 3rd Tues. p.m.</i> Welfare Centre, Church Hall, Shavington <i>2nd & 4th Tues. p.m.</i> Welfare Centre, Doddington Camp <i>1st & 3rd Wed. p.m.</i>
DISTRICT No. 16c. Miss R. Walch, Wychdale, Colleys Lane, Willaston, Nantwich	Willaston Wistaston		Welfare Centre, Memorial Hall, Church Lane <i>2nd. & 4th. Wed. p.m.</i> Wistaston Paediatric Clinic, Stalbridge Rd., Crewe <i>1st Fri. p.m.</i>
DISTRICT No. 17a Mrs. A. Clayton, 28, Lawton Road, Alsager, Stoke-on-Trent	Barthomley Church Lawton	Crewe (Rural) Haslington Odd Rode	Welfare Centre, Yoxall Institute, Haslington <i>2nd & 4th Tues. p.m.</i> Welfare Centre, Parish Hall, Odd Rode <i>2nd & 4th Wed. p.m.</i> Welfare Centre, Methodist Sunday School, <i>1st & 3rd Wed. p.m.</i> Mow Cop Welfare Centre, The Institute, Rode Heath <i>1st & 3rd Mon. p.m.</i> E.N.T. Clinic, Marriott House, Sandbach <i>4th Fri. a.m.</i>
DISTRICT No. 17b Miss A. Mullany§ The Dowery, Barker Street, Nantwich Miss B. Price, § c/o 29, Lawton St., Crewe Mrs. L. M. D. Atkinson,* 12, Crewe Road, Shavington Miss E. Broom,* 10, Clifton Avenue, Crewe Miss J. S. Reid,* 199, Edleston Road, Crewe *These Health Visitors also attend on rota the four other Clinics listed opposite.	Crewe M.B. (South District) Crewe M.B. (Central District) Crewe M.B. (East District) Crewe M.B. (North Central District) Crewe M.B. (West & Coppenhall District)		Paediatric Clinic, Ludford Street, Crewe <i>3rd Fri. p.m.</i> (Tel. Crewe 2376) E.N.T. Clinic, Ludford Street, Crewe <i>3rd Fri. a.m.</i> Child Welfare Clinic, Ludford Street, Crewe <i>Thurs. a.m. & p.m.</i> M.A. Clinic, Ludford Street, Crewe <i>Mon. & Wed. a.m.</i> Ante & Post Natal Clinic, Ludford Street, <i>Wed. p.m.</i> Crewe Eye Clinic, Ludford Street, Crewe <i>Wed. a.m.</i> Child Welfare Clinic, Stalbridge Road, Crewe <i>Mon. p.m. & Wed. a.m.</i> (Tel. Crewe 2450) M.A. Clinic, Stalbridge Road, Crewe <i>Tues. a.m.</i> Eye Clinic, Stalbridge Road, Crewe <i>As required</i> Paediatric Clinic, Stalbridge Road, Crewe <i>1st Fri. p.m.</i> Ante and Post Natal Clinic, Stalbridge Road, <i>Thurs. p.m.</i> Crewe
§ These Health Visitors also attend the Clinics listed opposite.			

	CIVIL PARISHES		CENTRES & CLINICS
DISTRICT No. 17c. Miss E. G. Smith 42, Primrose Avenue, Haslington, Crewe	Alsager U.D. Betchton	Hassall Smallwood	Welfare Centre, St. Mary's Sunday School, 1st, 3rd & 5th Tues. r.m. Alsager M.A. Clinic, 15, Centre Court, Alsager Mon.—Fri. a.m. (Tel. Alsager 628) E.N.T. Clinic, 15, Centre Court, Alsager 2nd Mon. p.m. Eye Clinic, 15, Centre Court, Alsager 1st Thurs. p.m.
DISTRICT No. 18a. Miss M. A. Cowley, Parkfield, Middlewich Road, Northwich	Antrobus Appleton	Grappenhall Stretton	Welfare Centre, Methodist Sunday School, Tues. p.m. Grappenhall Welfare Centre, Parish Hall, Antrobus 1st & 3rd Wed. p.m.
DISTRICT No. 18b. Miss M. Newbold, 62, Fairfield Gardens, Stockton Heath, Warrington	Stockton Heath		Welfare Centre, 65, Whitefield Road, Stockton Mon. p.m. Heath (Tel. S.H. 925) M.A. Clinic, 65, Whitefield Road, Stockton Thurs. a.m. Heath Eye Clinic, 65, Whitefield Road, Stockton 4th Tues. p.m. Heath
DISTRICT No. 19 Miss F. L. Govan, 29, Eagle Brow, Lymm, Warrington	Lymm U.D. High Legh	Warburton	Welfare Centre 29, Eagle Brow, Lymm Tues. p.m. (Tel. Lymm 277) M.A. Clinic, 29, Eagle Brow, Lymm Wed. a.m., 2nd & 4th Wed. p.m. Eye Clinic, 29, Eagle Brow, Lymm 4th Thurs. p.m.
DISTRICT No. 20. Mrs. E. Heywood,* 647, Altrincham Road, Wythenshawe, Manchester, 23 Miss H. Wingfield,* 70, Chapel Road, Sale (Tel. Sale 1329) Mrs. M. Holmes* 60, Broad Road, Sale Miss B. Cunliffe,* 76, Harboro' Road, Sale *These Health Visitors also attend on rota the Clinics opposite.	Sale M.B. (St. Martin's & Mersey Wards) Sale M.B. (Sale Moor Ward) Sale M.B. (St. Anne's & St. John's Wards) Sale M.B. (St. Mary's, St. Paul's and Brooklands Wards)		Welfare Centre, 70, Chapel Road, Sale Tues. p.m. Welfare Centre, Brookes Institute, Sale Fri. p.m. Welfare Centre, Community Centre, Sale Thurs. p.m. Moor Sun-ray Clinic, 70, Chapel Road, Sale Mon. & Fri. p.m. Welfare Centre, 70, Chapel Road, Sale Tues. & Thurs. p.m. Ante and Post Natal Clinic, 70, Chapel Road, Wed. p.m. Sale Welfare Centre 70, Chapel Road, Sale Welfare Centre, Raglan Road, Sale Tues. p.m. Eye Clinic, 70, Chapel Road, Sale Mon., a.m. Immunisation Clinic 70, Chapel Road, Sale 2nd Wed. p.m. M.A. Clinic, 70, Chapel Road, Sale Wed. a.m.
DISTRICT No. 21a. Miss E. Edwards, Top Flat, 1, Hawthorn Road, Hale, Altrincham Miss A. Milvenan, 1, Bollin Court, Bowdon, Altrincham	Hale U.D. (North, Central & West Wards) Ashley Bowdon U.D. Hale U.D. (Hale Ringway		M.A. Clinic, 9, Broomfield Lane, Hale (Tel. Alt. 4653) Mon. & Fri. p.m., Wed. a.m. Welfare Centre, 9, Broomfield Lane, Hale 2nd—5th Wed. p.m. Ante-Natal Clinic, 9, Broomfield Lane, Hale 1st Wed. p.m. Eye Clinic, 9, Broomfield Lane, Hale Tues. a.m. Welfare Centre, Methodist Schoolroom, 2nd & 4th Thurs. p.m. Bowdon Welfare Centre, 9, Broomfield Lane, Hale 2nd—th Wed. p.m. Ante-Natal Clinic, 9, Broomfield Lane, Hale 1st Wed. p.m. Welfare Centre, Unitarian School Room, Hale 1st & 3rd Thurs. p.m. Barns
DISTRICT No. 21b Miss L. E. H. Tripp, Sampford Brett, Wainwright Road, Altrincham (Tel. Altrincham 1884)	Agden Bollington Carrington	Dunham Massey Millington Partington	Welfare Centre, St. Mary's Institute, 1st & 3rd Thurs. p.m. Partington

	CIVIL PARISHES	CENTRES & CLINICS
DISTRICT No. 21b. (cont.) Mrs. F. Pickering, 27, Fairholme Road, Daverham, Northwich Mrs. M. L. Baker, 20, Delahays Road, Hale, Altrincham	Altrincham M.B. (Dunham & North Wards) Altrincham M.B. (East, Central & South West Wards)	M.A. Clinic, 12, The Mount, Altrincham <i>Even months Mon. a.m.</i> (Tel. Alt. 1733) Welfare Centre, 12, The Mount, Altrincham <i>Wed. p.m.</i> Vacc. & Imm. Clinic, 12, The Mount, <i>2nd Wed. a.m.</i> Altrincham Welfare Centre, 12, The Mount, Altrincham <i>Mon. & Wed. p.m.</i> E.N.T. Clinic, 12, The Mount, Altrincham <i>1st Thurs. a.m.</i> M.A. Clinic, 12, The Mount, Altrincham <i>Odd months Mon. a.m.</i>
Miss G. E. Berry, 12, Nethercroft Road, Timperley, Altrincham Miss D. Whitworth, 6, Wilton Street, Prestwich, (Tel. Pre. 1185) Lancs.	Altrincham M.B. (Timperley No. 1 & No. 3 Wards) Altrincham M.B. (Timperley No. 2 & No. 4 Wards)	Ante-Natal Clinic, 145, Park Rd., Timperley <i>1st & 3rd Mon. a.m.</i> (Tel. Sale 6639) Welfare Centre 145, Park Road, Timperley <i>Tues. p.m., Thurs. a.m. & p.m.</i> M.A. Clinic 145, Park Rd., Timperley <i>Wed. a.m.</i> Welfare Centre, 145, Park Road, Timperley <i>Tues. a.m. & p.m., Thurs. p.m.</i>
DISTRICT No. 22a Miss C. M. Marsh, 10, Hawthorn Walk, Wilmslow,	Alderley Edge U.D. Wilmslow U.D. (Hough Ward) Chorley Great Warford Marshall Mobberley	Welfare Centre, 3, Alma Lane, Wilmslow <i>Thurs. p.m.</i> Welfare Centre, Victory Hall, Mobberley <i>Alternate Tues p.m.</i> Welfare Centre, Church Institute, Alderley <i>Fri. p.m.</i> Edge E.N.T. Clinic, 3, Alma Lane, Wilmslow <i>Even months 4th Wed. p.m.</i>
DISTRICT No. 22b Mrs. B. E. Crosby, 27, Earle Road, Bramhall, Stockport	Wilmslow U.D. (Styal and Handforth Wards) Hazel Grove and Bramhall U.D. (Woodford and South Wards)	Welfare Centre, Methodist Sunday School, <i>1st & 3rd Mon. p.m.</i> Bramhall Welfare Centre, Conserv. Women's Club, <i>2nd & 4th Mon. p.m.</i> Handforth
DISTRICT No. 22c Miss D. M. Bowers, 1, Albany Road, Wilmslow,	Wilmslow U.D. (Dean Row, Fulshaw and Morley Wards)	Welfare Centre, 3, Alma Lane, Wilmslow <i>Thurs. p.m.</i> M.A. Clinic, 3, Alma Lane, Wilmslow <i>Thurs. a.m.</i> Eye Clinic, 3 Alma Lane, Wilmslow <i>1st Tues. p.m.</i>
DISTRICT No. 23a Miss M. Spencer, 2, Elm Drive, Macclesfield	Bosley Chelford Eaton Gawsworth Henbury Hulme Walfield Marton Mottram-St.- Andrew North Rode	Nether Alderley Over Alderley Prestbury Siddington Somerford Somerford Booths Snelson Swettenham Twemlow Withington
DISTRICT No. 23b. Miss M. D. Watson, 6a, Elm Drive Macclesfield (Tel. Macc. 2105) Miss F. M. Yates, 17, Newhall Street, Macclesfield	Macclesfield M.B. (Central District) Macclesfield M.B. (South West District)	Welfare Centre, Sanders Sq., Macclesfield <i>Thurs. p.m.</i> (Tel. Macc. 3800) Welfare Centre, 52, Bridge Street, Macclesfield (Tel. Macc. 5501) <i>2nd, 3rd, 4th & 5th Tues p.m., Mon. p.m.</i> <i>Fri. p.m.</i> Ante-Natal Clinic, 52, Bridge Street, Macclesfield <i>1st & 3rd Wed. p.m.</i> Welfare Centre, Sanders Square, Macclesfield <i>Thurs. & Fri. p.m.</i> Ante-Natal Clinic, Sanders Square, Macclesfield <i>4th Wed. p.m.</i> M.A. Clinic, Sanders Square, Macclesfield <i>Mon. & Thurs. a.m.</i> Ante-Natal Clinic, Hurdsfield House, Macc. <i>2nd Wed. p.m.</i> (Tel. Macc. 3282) Ante-Natal Clinic, 52, Bridge Street, Macc. <i>1st & 3rd Wed. p.m.</i>

CIVIL PARISHES

CENTRES & CLINICS

District No. 23b(cont.)

Miss A. Grills,
Springfield (Flat 3),
Byron's Lane,
Macclesfield

Macclesfield M.B.
(North East District)

Welfare Centre, Hurdsfield House, Macclesfield
Thurs. p.m., 1st Tues. p.m.
Ante-Natal Clinic, Hurdsfield House, Macc.
2nd Wed. p.m.

Welfare Centre, 52, Bridge Street, Macc.
2nd, 3rd, 4th & 5th Tues. p.m.

Ante-Natal Clinic, Sanders Square, Macc.
4th Wed. p.m.

Ante-Natal Clinic, 52, Bridge Street, Macc.
1st & 3rd Wed. p.m.

Welfare Centre, Sanders Square, Macclesfield
Alt. Fri. p.m.

Ante-Natal Clinic, 52, Bridge Street, Macc.
1st & 3rd Wed. p.m.

Welfare Centre, 52, Bridge Street, Macc.
Mon. & Fri. p.m.

M.A.Clinic, Pierce Street, Macclesfield
(Tel. Macc. 3053)
1st Mon. p.m., Tues & Fri. a.m., Thurs.
p.m.

Eye Clinic, Pierce Street, Macclesfield
1st Mon. p.m., 1st, 3rd & 4th Tues. p.m.

4th Thurs. a.m.
E.N.T. Clinic, Pierce Street, Macclesfield
1st Fri. a.m.

Welfare Centre, Heyes Hall, Weston
Wed. p.m.

Welfare Centre, Hurdsfield House, Macc.
Thurs. p.m., 1st Tues. p.m.

Ante-Natal Clinic, Hurdsfield House, Macc.
2nd Wed. p.m.

M.A. Clinic, Pierce Street, Macclesfield
2nd, 3rd, 4th & 5th Mon. p.m. & Wed.
a.m.

Welfare Centre, Sanders Square, Macclesfield
Alt. Fri. p.m.

Ante-Natal Clinic, Sanders Square, Macc.
4th Wed. p.m.

Welfare Centre, 52, Bridge Street, Macc.
1st Mon. p.m., 2nd Tues. p.m.

DISTRICT No. 24

Miss L. Jacks,
Abbey Croft,
Abbey Road,
Sandbach

Sandbach U.D. Brereton
Arclid Elton
Bradwall

Welfare Centre, Marriott House, Sandbach
Tues. p.m. (Tel. Sandbach 309)

M.A. Clinic, Marriott House, Sandbach
Fri. a.m.

Eye Clinic, Marriott House, Sandbach
2nd 3rd & 4th Mon. p.m.

DISTRICT No. 25

Miss M. Corbishley,
Moss Head Farm,
Gawsworth, Macclesfield
(Tel. Sutton 343)
Miss E. Foster,
Brentor,
Lower Heath,
Congleton

Congleton M.B.
(Buglawton & South Wards)
Moreton-cum-Alcumlow
Newbold Astbury

Congleton M.B.
(North & West Wards)

Welfare Centre, 12, West Street, Congleton
Mon. p.m. (Tel. Congleton 169)

Ante. Natal Clinic, 12, West Street, Congleton
Fri. p.m.

M.A. Clinic, Park Street, Congleton
Fri. a.m. (Tel. Cong. 2095)

Eye Clinic, Park Street, Congleton
2nd Wed. p.m.

E.N.T. Clinic, Park Street, Congleton
Odd months 4th Thurs. a.m.

Welfare Centre, 12, West Street, Congleton
Mon. p.m.

DISTRICT No. 26a

Mrs. M. B. Batty,
14, Parrswood Court,
Manchester, 20

Cheadle and Gatley U.D.
(Cheadle Hulme and
Adswood Wards)

M.A. Clinic, All Saints' Parish Room, Cheadle
Wed. p.m., Hulme

Welfare Centre, All Saints' Parish Room,
Alt. Tues. p.m. Cheadle Hulme

Welfare Centre, Mission Hall, Adswood
1st & 3rd Mon. p.m.

Eye Clinic, All Saints' Parish Room, Cheadle
As required Hulme

DISTRICT No. 26b.

Miss W. C. Heron,
83, Turves Road,
Cheadle Hulme

Cheadle and Gatley U.D.
(Cheadle Wards)

M.A. Clinic Brookfield, Wilmslow Road,
Mon. a.m. Cheadle (Tel. Gatley 6290)

Welfare Centre, Brookfield, Wilmslow Road,
Tues. p.m. & 3rd Wed. p.m. Cheadle

E.N.T. Clinic, Brookfield, Wilmslow Road,
Even months 3rd Mon. p.m. Cheadle

Eye Clinic, Brookfield, Wilmslow Road,
2nd & 3rd Thurs. a.m. Cheadle

CIVIL PARISHES

CENTRES & CLINICS

DISTRICT No. 26c Miss N. Heenan, 146, Edgeley Road, Cheadle Heath, Stockport	Cheadle and Gatley U.D. (Gatley & Heald Green Wards)	Welfare Centre, Methodist Church, Heald 1st & 3rd Thurs. p.m. Green Ante-Natal Clinic, Brookfield, Wilmslow Road, Fri. p.m. Cheadle Welfare Centre, Cong. Sunday School, 2nd & 4th Thurs. p.m. Gatley
DISTRICT No. 27. Miss G. M. Bullough, 4, Belvoir Avenue, Hazel Grove, Nr. Stockport (Tel. Poynton 3279)	Hazel Grove and Bramhall U.D. (North & East Wards)	Welfare Centre, 253, London Road, Hazel Tues. p.m. & Thurs. p.m. Grove M.A. Clinic, 253, London Road, Hazel Grove Tues. a.m., (Tel. Stepping Hill, 3022) Ante-Natal Clinic, 253, London Road, Hazel Wed. p.m. Grove Eye Clinic, 253, London Road, Hazel Grove 1st & 4th Thurs. a.m. E.N.T. Clinic, 253, London Road, Hazel Grove Even months, 3rd Thurs. a.m. Immunisation Clinic, 253, London Road, 2nd Thurs. a.m. Hazel Grove
DISTRICT No. 28. Miss M. R. Adamson, 47, Ovenhouse Lane, Bollington, Macclesfield	Bollington U.D. Hurdsfield Macclesfield Forest	Rainow Sutton Wildboarclough Wincle Welfare Centre, Wellington Road, Bollington (Tel. Boll. 2376) 2nd & 4th Thurs., 1st & 3rd Wed. p.m. M.A. Clinic, Wellington Road, Bollington Tues. a.m. Welfare Centre, Lane Ends Club, Sutton 2nd & 4th Wed. p.m. Eye Clinic, Wellington Road, Bollington 2nd Tues. p.m. E.N.T. Clinic, Wellington Road, Bollington Even months 3rd Thurs p.m.
DISTRICT No. 29a. Miss S. Morris, 100, Wellington Road North, Stockport	Bredbury and Romiley U.D. (Bredbury Area)	Welfare Centre, Lower Bent's Lane, Bredbury 1st Tues. p.m., 2nd—5th Tues. a.m. & p.m. M.A. Clinic, Lower Bent's Lane, Bredbury Thurs. a.m. (Tel. Woodley 2892) Ante-Natal Clinic, Lower Bent's Lane, Mon. p.m. Bredbury Eye Clinic, Lower Bent's Lane, Bredbury 2nd Thurs. a.m. Immunisation Clinic, Lower Bents Lane, 4th Thurs. a.m. Bredbury
DISTRICT No. 29b Mrs. A. D. Law 5, Jubilee Street, New Mills, Stockport	Bredbury and Romiley U.D. (Romiley, Compstall and Woodley Areas)	Welfare Centre, Leyfield Avenue, Romiley Thurs. p.m. (Tel. Woodley 2891) M.A. Clinic, Leyfield Avenue, Romiley Mon. p.m. Immunisation Clinic, Leyfield Ave., Romiley 1st Thurs. a.m.
DISTRICT No. 29c. Miss C. Makin,* 212, Astley Street, Dukinfield Miss M. E. Slack,* 11, Shaw Hall Avenue, Hyde	Stalybridge M.B. (Lancashire Ward) Stalybridge M.B. (Staley Ward)	Welfare Centre, Mechanics' Institute, Tues. & Wed. p.m. Stalybridge (Tel. Stalybridge 2304) Welfare Centre, Mechanics' Institute, Tues. p.m. Stalybridge Eye Clinic, Mechanics' Institute, Stalybridge 2nd, 3rd, & 4th Tues. a.m. Welfare Centre, Huddersfield Rd., Millbrook, Mon. p.m. Stalybridge
Miss D. P. Flint, 6, Greenbank Road, Marple Bridge, Stockport Miss F. Richardson, Barton Villa, Crescent Road, Dukinfield	Stalybridge M.B. (Millbrook Ward) Stalybridge M.B. (Dukinfield Ward)	M.A. Clinic, Mechanics' Institute, Stalybridge Mon., Wed. & Fri. a.m. Welfare Centre, Mechanics' Institute, Wed. a.m. Stalybridge Welfare Centre, Huddersfield Rd., Millbrook, Mon. p.m. Stalybridge Ante and Post Natal Clinic, Mechanics' Institute, Stalybridge 2nd, 3rd & 4th Thurs. p.m.
DISTRICT No. 30 Miss W. E. Beresford 11, Shaw Hall Avenue, Hyde	Dukinfield M.B. (Central & West Wards)	Welfare Centre, King Street, Dukinfield Wed. a.m. & p.m., (Tel. Ashton 3794) M.A. Clinic, King Street, Dukinfield Mon., Tues., Wed. & Thurs. a.m. Eye Clinic, King Street, Dukinfield 1st, 2nd & 4th Fri. p.m. E.N.T. Clinic King Street, Dukinfield 4th Mon. p.m.
Miss. C. Hellings, Barton Villa, Crescent Road, Dukinfield	Dukinfield M.B. (East Ward part)	

* These health visitors also take on rota the other clinic opposite.

	CIVIL PARISHES	CENTRES & CLINICS
DISTRICT No. 30 (cont.) Miss W. G. Grimstone, Rockville, Cote Green Road, Marple Bridge, Stockport	Dukinfield M.B. (East Ward part)	Welfare Centre, King Street, Dukinfield <i>Wed. & Thurs. p.m.</i>
DISTRICT No. 31a. Miss D. Wood, 8, Marina Drive, Rose Hill, Marple, Stockport	Longdendale U.D. Tintwistle R.D.	Welfare Centre, Wedneshaugh Green, <i>1st & 3rd Thurs. p.m.</i> Hollingworth M.A. Clinic, Wedneshaugh Green, <i>Tues. p.m.</i> Hollingworth Welfare Centre, Christ Church School, <i>2nd & 4th Thurs. p.m.</i> Tintwistle Welfare Centre, Wesleyan School, <i>1st & 3rd Wed. p.m.</i> Broadbottom Immunisation Clinic, Wedneshaugh Green, <i>2nd Mon. p.m.</i> Hollingworth
DISTRICT No. 31b. Miss F. Lonsdale,* Woodhaven, Woodend Lane, Hyde (Tel. Hyde 739) Miss M. E. Marsh* Thornbank, Mottram Road, Hyde (Tel. Hyde 169) Miss N. P. M. Trahan,* 212, Astley Street, Dukinfield (Tel. Ashton 1689) Miss M. Taylor,* 1, Erskine Road, Blackley, Manchester, 9	Hyde M.B. (Godley Ward pt. i) Hyde M.B. (Newton Ward pt. i) Hyde M.B. (Godley Ward pt. ii, Newton Ward pt. iii) Hyde M.B. (Werneth Ward, Newton Ward pt. ii)	Welfare Centre, Parsonage Street, Hyde <i>Wed. p.m.</i> (Tel. Hyde 828) Ante-Natal Clinic, Parsonage Street, Hyde <i>1st & 3rd Thurs. a.m.</i> Welfare Centre, Parsonage Street, Hyde <i>Thurs. p.m.</i> Welfare Centre, Bayley Hall, Hyde <i>Fri. p.m.</i> (Tel. Hyde 265) Welfare Centre, Parsonage Street, Hyde <i>Wed. p.m.</i> Welfare Centre, Bayley Hall, Hyde <i>Mon. p.m.</i> Welfare Centre, Parsonage Street, Hyde <i>Thurs. p.m.</i> Specialist's Eye Clinic, Reform Club, Hyde <i>1st & 3rd Mon. p.m.</i> D.M.O.'s Eye Clinic, Reform Club, Hyde <i>2nd & 4th Tues. a.m.</i> M.A. Clinic, Reform Club, Hyde <i>Mon., Wed. & Fri. a.m.</i> (Tel. Hyde 689)
*These Health Visitors also attend on rota the other Clinic opposite.		
DISTRICT No. 32a. Miss B. F. Sherratt, Ashdene, Leafield Road, Disley, Stockport (Tel. Disley 268)	Marple U.D. (Ludworth, Mellor & North Wards)	Welfare Centre, Parish Hall, Marple <i>Wed. p.m.</i> Welfare Centre, Methodist Sunday School, <i>2nd & 4th Thurs. p.m.</i> Marple Bridge Welfare Centre, Methodist Sunday School <i>1st & 3rd Thurs. p.m.</i> Mello
DISTRICT No. 32b. Miss B. Brewster, Spout House Farm, Strines, Stockport (Tel. Marple 1494)	Marple U.D. (Cent. & South Wards) Disley R.D.	Welfare Centre, Parish Hall, Marple <i>Wed. p.m.</i> Welfare Centre, Conservative Club, High Lane <i>Alt. Tues. p.m.</i> Welfare Centre, Gleneil House, Disley <i>Alt. Tues. p.m.</i> (Tel. Disley 62) M.A. Clinic, Parish Hall, Marple <i>Wed. a.m.</i> Eye Clinic, Parish Hall, Marple <i>3rd Thurs. a.m.</i>
DISTRICT No. 33. Miss F. E. Kilbourn, Edendaie, Buxton Road, Newtown, New Mills, Stockport	Adlington Kettleshulme Lyme Handley Pott Shrigley Poynton	Welfare Centre, Park Lane, Poynton <i>1st & 3rd Thurs. p.m.</i> (Tel. Poynton 212) M.A. Clinic, Park Lane, Poynton <i>Tues. p.m.</i> E.N.T. Clinic, Park Lane, Poynton <i>Even months, 3rd Wed. p.m.</i> Eye Clinic, Park Lane, Poynton <i>Even months, 2nd Thurs. p.m.</i>

HOME NURSES (151)

(Those marked * practise Midwifery)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>
Acton	Miss L. C. Jones*	The Grove, Acton, Nantwich	Nantwich 5571
Adlington	Miss K. A. Wheater*	Sunshine Cottage, Butley Lane, Adlington, Macclesfield	Prestbury 8360
Alderley	Mrs. E. Gornall*	Nurse's Cottage, Monksheath, Chelford, Macclesfield	Chelford Relief216
Alderley Edge	Miss M. M. Hatton*	Holly Croft, Row of Trees, Alderley Edge	Alderley Edge3364
Aldford	Mrs. D. Mellor*	Nurse's Cottage, Aldford, Chester	Aldford 37
Alsager	Mrs. E. Weatherall	27, Cresswellshawe Road, Alsager, Stoke on Trent	Alsager 67
Altrincham	Miss D. Kershaw	61, Harcourt Road, Altrincham	Altrincham 2550
	Miss W. M. Barber*	53, Oxford Road, Altrincham	Altrincham 0138
	Miss S. J. Cullinan	28, Albert Road, Hale	Altrincham 0906
	Miss E. Moores*	Kilrea, Market St., Altrincham	Altrincham 2051
	Mrs. F. B. Grayson	38, Langdale Road, Sale	Sale 3843
Ashton	Miss M. McClement-Williams*	District Nurse's Home, Smithy Lane, Mouldsworth, Chester	Manley 268
Ashton-on-Mersey	Miss B. Kitchen	13, Harcourt Road, Sale	Sale 5764
Astbury	Miss V. Spencer*	Black & White Cottage, Astbury, Congleton	Congleton 451
Audlem	Miss M. H. Hunter*	The Gables, Audlem, Crewe	Audlem 422
Barnston	Miss A. M. Jones*	Watmough, Pensby Road, Thingwall, Birkenhead	Irby 1496
Barnton		5, Cross Street, Barnton, Northwich	Northwich 4080
Barrow	Miss G. Jones*	Minniffordd, High Street, Tarvin, Chester	Tarvin 240
	Miss B. Walker	Minniffordd, High Street, Tarvin, Chester	Tarvin 240
Bebington	Miss L. Cullum	1a, New Chester Road, New Ferry	Rock Ferry 4095
Bickerton	Miss A. Jones*	24, Mill Grove, Bulkeley, Malpas	Cholmondeley 217
Bollington	Miss A. Barlow*	13, Waterhouse Avenue, Bollington, Macclesfield	Bollington 3179
	Mrs. M. Wood	Ingersley Vale Cottages, Bollington Macclesfield	Bollington 3204
Bramhall	Miss N. D. Entwistle*	81, Ack Lane, Bramhall, Stockport	Bramhall 2377
	Mrs. M. C. Hallett*	Gresford, Moor Lane, Woodford, Stockport	Bramhall 1012
Bredbury	Mrs. L. Parker*	13, George Lane, Bredbury Stockport	Woodley 2754
	Miss D. M. Thompson*	11 Red House Lane, Bredbury, Stockport	Woodley 2935
Bromborough	Miss F. Baughan	27, Queensbury Avenue, Brom- borough, Wirral	Bromborough1037
	Mrs. A. Thompson	41, Heygarth Road, Eastham, Wirral	Eastham 1647
Buglawton	Miss M. S. Bowman*	4, High Lowe Avenue, Buglawton, Congleton	Congleton 444
Bunbury	Mrs. E. C. Hurst*	Coniston, Bunbury, Tarporley	Bunbury 367
Burton	Miss M. Jones*	Pear Tree Cottage, Burton, Wirral	Burton 230
Castle, Northwich	Miss M. A. Higgs*	37, Park Street, Northwich	Northwich 4041

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Cheadle	Mrs. W. Wareing*	6, Waldon Avenue, Cheadle, Cheshire	Gatley	3904
		6, Waldon Avenue, Cheadle, Cheshire	Gatley	3904
Cheadle	Miss C. Maher*	58, Ladybridge Road, Cheadle Hulme, Stockport	Hulme Hall	261
Hulme				
Chelford	Miss J. Hughes*	Church House, Chelford, Maelesfield	Chelford	314
Cholmondeley	Miss M. Broeklehurst*	Nurse's Cottage, Biekley Moss, Whitehureh	Cholmond- eley	268
Combermere	Miss W. A. George*	1, Council Houses, Newhall Lane, Aston, Nantwich	Aston (Nantwich)	286
Congleton	Mrs. R. Ward	24, The Westlands, Congleton	Congleton	2104
Crewe	Miss C. Moss	5, Tynedale Avenue, Crewe	Crewe	3947
	Mrs. E. Heap	225, Wheelman Road, Crewe	Crewe	3163
Daresbury	Miss G. Roberts*	Delph Cottage, Daresbury, Warrington	Moore	266
Davenham	Miss M. Buckley*	437, London Road, Davenham, Northwich	Northwich	3027
Delamere	Miss D. E. Joseph*	Wayside, Cotebrook, Tarporley	Little Budworth	391
Disley	Mrs. A. Rodger*	Grenaghan, Hollinwood Road, Disley, Stockport	Disley	298
Doddington	Miss M. A. Edwards*	2, Back Lane, Walgherton, Nantwich	Wybunbury	345
Dodleston	Mrs. M. E. Pilliner*	30, St. Mary's Rd., Dodleston, Chester	Kinnerton	264
Dukinfield	Miss E. M. Ambler	212, Astley Street, Dukinfield	Ashton	1689
	Miss M. W. Stratton	293, King Street, Dukinfield		
Dunham	Miss W. Lewis	Thornlea, Station Road, Partington, Urmston, Manchester	Irlam	264
Ellesmere	Miss M. I. Raby	12, Thamesdale, Whitby, Wirral	E. Port	2542
Port	Mrs. A. Engstrom	66, Queen Street, Ellesmere Port	E. Port	2543
Farndon	Miss K. E. Hewitt*	c/o Mrs. Yates, Barnfeld, Churton Road, Farndon		
Frodsham	Mrs. M. Rhaney*	Wee Brae, Townfield Lane, Frodsham Warrington	Frodsham	2386
	Mrs. C. L. Ormsby*	10, Kingsway, Frodsham	Frodsham	2109
Gawsworth	Miss M.M. Brown*	2, Warren Grove, Gawsworth	Macclesfield	2187
Goostrey	Miss G. Magee*	Booth Bank Road, Goostrey, Crewe	Holmes Chapel	3244
Grappenhall	Miss P. M. Baker	30, George's Creseent, Grappenhall, Warrington	Grappenhall	275
Great	Mrs. D. Sherratt*	Rose Bank, Marbury Lane, Comberbach, Northwich	Comberbach	279
Budworth				
Hale Barns	Miss L. W. Saunders*	380, Hale Road, Hale Barns, Altrincham	Ringway	4113
Halton	Mrs. G. M. Williams*	47, Main Street, Halton, Runcorn	Runcorn	2597
Handforth	Miss M. E. Bailey*	Oak Brow Cottage, Styal, Wilmslow	Wilmslow	2738
Hartford	Miss D. Farman*	9, King Street, Hartford, Northwich	Northwich	4028
Haslington	Mrs. J. Banks*	33, Cartwright Road, Haslington, Crewe	Crewe	2693
Hazel Grove	Miss H. Barry*	9, Bean Leach Road, Hazel Grove, Stockport	Stepping Hill	2292
	Miss. D. H. Garner*	9 Bean Leach Road, Hazel Grove Stockport	Stepping Hill	2292

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Heald Green	Miss F. A. Jones*	29, Outwood Drive, Heald Green, Cheadle, Cheshire	Gatley	2592
Helsby	Mrs. N. E. Stewart*	Thorns, Alvanley Road, Helsby Warrington	Helsby	143
Heswall	Miss C. M. Edwards*	1, Shrewsbury Road, Heswall, Wirral	Heswall	710
Higher Bebington	Miss M. R. Davies	216, Higher Bebington Road, Higher Bebington, Wirral	Mountwood	1840
Higher Sutton	Mrs. E. Carruthers*	1, Robin Crescent, Sutton, Macclesfield	Sutton	363
High Lanc	Miss F. Boast*	27, Parkside Close, High Lane, Stockport	Disley	78
Hollingworth	Mrs. G. E. Hewitt	Mount House, Hollingworth, Manchester	Mottram	3210
Holmes Chapel	Miss L. B. Blunsum*	19, West Way, Holmes Chapel, Crewe	H. Chapel	2226
Hoylelake	Miss L. Hughes	44, Stanley Road, Hoylelake	Hoylelake	1517
Hyde	Miss G. McClean	17, Henry Street, Hyde	Hyde	488
	Miss H. Sutton	17, Henry Street, Hyde	Hyde	488
Ince	Mrs. E. Parker*	Park Wood, Dunham Hill, Warrington	Helsby	169
Irby	Miss G. Wotton*	Irby Hill Farm, Mill Hill Road, Irby, Wirral	Irby	1752
Irby South	Miss M. E. Herbert*	10, Greenway, Pensby, Wirral	Irby	1779
Knutsford	Miss D. Cadogan*	Mere Heath Lane, Mere, Knutsford	Knutsford	505
	Miss M. E. Tierney*	Flat No. 1, Westfield Drive, Knutsford	Knutsford	504
Little Leigh	Miss E. M. Fishwick*	14 Leigh Lane, Little Leigh Northwich	Comberbach	275
Little Sutton	Mrs. V. Sandbach	22, Glenwood Road, Little Sutton, Wirral	Hooton	2110
Lostock Gralam	Miss M. Morris*	337, Manchester Road, Lostock Gralam, Northwich	Northwich	3046
Lymm	Miss C. Cahill	26, Highfield Road, Lymm, Warrington	Lymm	116
Macclesfield	Miss K. M. Tanner	} 11, Northgate Avenue, Maccles- field	Maccles- field	2169
	Miss M. Otter			
	Mrs. M. Earlam		Macclesfield	4887
Malpas	Mrs. D.M.T. Brooks*	5, Springfield Road, Malpas	Malpas	96
Marple	Miss C. Turner*	19, Greenbank Crescent, Mount Drive Estate, Marple	Marple	361
Marple Bridge	Miss N. Greenleaf*	The Cottage, Lower Fold, Marple Bridge, Stockport	Marple	166
Marston	Mrs. E. Davies*	Brackley, Pickmere Lane, Pickmere, Knutsford	Pickmere	242
Middlewich	Miss E.M. Adamson*	} Hayward, Croxton Lane, Middlewich	Middlewich	151
	Miss G. Bengier*			
Mobberley	Miss B. H. Harrop	18, Edenfield Av., Mobberley Knutsford	Mobberley	3132
Mossley Mottram	Mrs. I. M. Huyton	25, Stockport Road, Mottram, Manchester	Mottram	2183
Moulton	Miss V. R. Watts*	11, Regent Street, Moulton, Northwich	Winsford	2346
Nantwich	Miss E. Larnach*	1, Wellington Road, Nantwich	Nantwich	5294
	Miss M. Mansfield*	1, Wellington Road, Nantwich	Nantwich	5294

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Neston	Miss D. Priece*	3, Landseer Avenue, Neston Wirral	Neston	1185
Norley	Miss I. E. Belsham*	Nurse's Bungalow, Crabmill Lane, Norley, Warrington	Kingsley	265
Odd Rode	Miss H. M. Richardson*	2, Drenfell Road, Scholar Green, Stoke on Trent	Kidsgrove	466
Poynton	Miss A. Cheetham*	82, Barnaby Road, Poynton, Stockport	Poynton	2137
Prestbury	Miss M. A. Wright*	7, Bollinside, Prestbury Macclesfield	Prestbury	8464
Rainow	Miss A. K. Keates*	Oakwood, Chapel Lane, Rainow, Macclesfield	Bollington	2184
Romiley	Miss F. W. Gowan*	1, Barker Road, Goyt Valley Estate, Bredbury, Stockport	Woodley	3631
Runeorn	Mrs. E. Booth	54, Heath Road South, Weston, Runcorn	Runeorn	2342
	Mrs. F. Fowles	26, Hazel Avenue, Runeorn	Runcorn	2849
	Mrs. J. E. Livesey	8, Lynden Grove, Runcorn	Runeorn	3260
Sale	Miss L. Powell	22, George's Road, Sale	Sale	7033
	Mrs. W. F. Råad	107, Royton Avenue, Sale	Sale	6135
Sandbach	Miss N. W. Evans*	5, Elworth Street, Sandbach	Sandbach	256
		5, Elworth Street, Sandbach	Sandbach	256
Sandiway	Miss M. L. O'Leary*	The Cottage, Glebe Road, Cuddington, Northwich	Sandiway	2252
Saughall	Miss D. Phillips*	9, Lodge Lane, Saughall, Chester	Saughall	200
Shavington	Miss L. E. Denison*	Sundour, Park Estate, Shavington, Crewe	Crewe	7234
Stalybridge	Mrs. D. Cameron	22, Darnton Road, Stalybridge	Stalybridge	
	Mrs. E. H. Slater	295, Huddersfield Road, Stalybridge	Stalybridge	2448
Stapeley	Miss E. Reilly*	41, London Road, Stapeley, Nantwich	Nantwich	5570
Stockton Heath	Miss H. M. Davies	68, Mill Lane, Stockton Heath, Warrington	St'k'on Heath	1489
Stretton	Mrs. E. M. Reed*	3, Beverley Avenue, Appleton, Warrington	S. Heath	573
Tarporley	Mrs. M. Stewart*	99, High Street, Tarporley,	Tarporley	153
Tattenhall	Miss M. U. Burke*	76, Tattenhall Road, Tattenhall	Tattenhall	387
Tilston	Miss N. Priest*	Fern Lea, Tilston, Malpas	Tilston	249
Timperley	Miss M. B. McGrath	4, Eldercroft Road, Broomwood Estate, Timperley	Ringway	2912
	Miss A. Grigaitis	26, Grove Lane, Timperley	Ringway	3495
Upton	Mrs. J. E. Randall	24, Aeres Lane, Upton Heath, Chester	Chester	23386
Viars Cross and Huntington	Mrs. R. I. Croome	40, Vicars Cross, Chester	Chester	35533
Weaverham	Mrs. H. Dudley*	55, Northwich Road, Weaverham, Northwich	Weaverham	3160
	Mrs. E. L. L. Hampson*	"Sunfield", Forest Road, Cudding- ton, Northwich.	Sandiway	2163
West Kirby	Miss J. Howes	27, Burlingham Avenue, Grange, West Kirby, Wirral	Hoylake	1203
Wheelock	Miss E. E. Gerrard*	639, Crewe Road, Wheelock, Sandbach	Sandbach	281

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>
Willaston (Wirral)	Miss G. Lloyd*	The Grey Cottage, Hooton Road, Willaston, Wirral	Willaston 2112
Willington	Mrs. M. S. Vickers*	9, Carter Avenue, Kelsall, Chester	Kelsall 286
Wilmslow	Miss E. B. Grindrod*	23, Kings Close, Wilmslow	Wilmslow 5525
	Miss D. R. Ricketts*	17, Bourne Street, Wilmslow	Wilmslow 2615
	Miss F. Marsden*	1, Prescott Road, Lacey Green Estate, Wilmslow	Wilmslow 5577
Winnington			
Winsford	Miss I. E. Bremner*	92, Weaver Street, Winsford	Winsford 2228
		92, Weaver Street, Winsford	Winsford 2228
	Miss M. C. Lewis*	92, Weaver Street, Winsford	Winsford 2228
Wistaston	Miss S. G. Black*	37, Coppice Road, Willaston, Nantwich	Crewe 7109
Witton	Mrs. I. Owen	"Dinastre", Lime Av., Leftwich, Northwich	
Worleston	Mrs. R. E. Fort*	Laundry Cottage, Rookery Park, Worleston, Nantwich	Nantwich 5941

Relief

Mrs. R. Adams	34 Oulton Avenue, Sale	Sale	8453
Mrs. G. A. Baldwin	8 Capesthorpe Road, Wistaston Green Estate, Crewe		
Mrs. I. Bennett	55, Gorseyville Road, Bebington	Mountwood	3108
Mrs. M. Chesters	23, Davenport Avenue, Crewe	Crewe	2131
Mrs. M. A. Clarke	131, Knott Lane, Hyde	Hyde	1803
Mrs. K. Coleman	Gairloch, Bramhall Moor Lane, Hazel Grove	Stepping Hill	5475
Mrs. B. Collier	2, Beech Avenue, Rosehill, Marple, Stockport		
Mrs. D. Davison	26, Cornelius Drive, Pensby, Wirral	Irby	1639
Mrs. M. E. Evans	30, Bedford Road, Macclesfield	Macclesfield	3331
Mrs. J. Fell	3, Long Hey, Hale, Altrincham		
Mrs. I. Hall	14, Pulford Road, Sale	Sale	7445
Mrs. F. E. Harrison	14, Asterfield Avenue, Higher Bebington	Rock Ferry	2441
Mrs. I. Hoyle	9, Offley Avenue, Sandbach		
Mrs. D. E. Hyde	65, Thamesdale, Whitby, Ellesmere Port		
Mrs. H. M. Jackson	44, Cheadle Road, Cheadle Hulme	Hulme Hall	423
Mrs. A. B. James	61, Star Lane, Lymm	Lymm	399
Mrs. H. M. Johnson	21, Fir Tree Drive, Newton, Hyde		
Mrs. C. Machell	30, Bramley Avenue, Higher Bebington, Wirral		
Mrs. E. A. Manion	90, Chester Road, Grappenhall, Warrington		
Miss E. Riall	26, Nursery Avenue, Hale Altrincham	Altrincham	2706
Mrs. O. Saunders	12, Worsley Road, Walton, Warrington	Stockton Heath	896
Mrs. S. M. Scott	3, Marmion Road, Hoylake, Wirral	Hoylake	6017
Mrs. W. F. Stenning	1, Hillcrest Drive, Little Sutton, Wirral		
Miss E. E. Talbot	16, Poll Hill Road, Heswall		
Miss G. Wild	33, Ripon Street, Ashton-under-Lyne		

COUNTY MIDWIVES

<i>District</i>	<i>Name</i>	<i>Address</i>	<i>Telephone</i>
Alsager	Mrs. E. L. Pedley (33)	6, Audley Road, Alsager,	Alsager 583
Altrincham	Mrs. A. Warburton (40)	220 Manchester Road, Broadheath, Altrincham	Altrincham 1484
	Miss M. E. Cassidy (41)	26, Grove Lane, Timperley Altrincham	Ringway 3495
	Miss A. K. Morgan (4)	Staniland, Spital Road, Bebington	Bromborough 2707
Bebington	Miss A. Banks (6)	22, Esher Road, New Ferry	
	Mrs. B. Cass (7)	28, Thornleigh Avenue, Eastham, Wirral	Eastham 2022
Bredbury	Mrs. S. A. Christmas (57)	9, Merton Avenue, Bredbury	Woodley 3778
Cheadle	Miss A. Gray (49)	139, Stockport Road, Cheadle	Gatley 2994
	Mrs. F. Morgan (49a)	42, Hulme Hall Road, Cheadle Hulme	Hulme Hall 1964
Congleton	Mrs. M. Williams (46)	115, Woolston Av., Congleton	Congleton 690
	Miss D. H. Wright (47)	Ewanrigg, Giantswood Lane, Congleton	Congleton 240
Crewe	Miss E. A. Bimson (27)	20, Gatefield St., Crewe	Crewe 2239
	Mrs. F.E.Strowbridge (27a)	120, Stewart Street, Crewe	Crewe 4580
	Miss D. Broad (28)	234, Hungerford Road, Crewe	Crewe 2495
	Miss B.G. Pedder (28a)	199, Edleston Road, Crewe	Crewe 3701
	Miss. K Beech (29)	23, Minshull New Road, Crewe	Crewe 2826
	Mrs. E. Weston (30)	19, Nelson Street, Crewe	Crewe 3110
	Miss Mollie Williams (31a)	4, Crewe Street, Crewe	
	Miss A. Lces (62)	41, Armadale Road, Dukinfield	Ashton 1073
Dukinfield	Miss L. Bradley (63)	24, Morar Road, Dukinfield	Ashton 4261
	Miss E. Bowyer (9)	382, Chester Road, Little Sutton	Hooton 2483
Ellesmere Port	Mrs. M. H. Bendell (10)	14, Queen's Avenue, Ellesmere Port	Ellesmere Port 1982
	Mrs. V.E. Corson (11)	Dorby, Wilkinson Street, Ellesmere Port	Ellesmere Port 146
	Mrs. E. Evans (12)	85, Grace Road, Ellesmere Port	Ellesmere Port 1188
Grappenhall	Mrs. A.E.Williams (13)	6, York Road, Ellesmere Port	Ellesmere Port 329
	Miss O. M. Heath (21)	10, Cedar Avenue, Stockton Heath	Stockton Heath 1265
Hale	Mrs. E. Starkey (44)	1, Bancroft Road, Hale, Altrincham	Ringway 4653
Hazel Grove	Miss F. W. Hampson (50)	335, London Road, Hazel Grove, Stockport	Stepping Hill 3131
Hollingworth			
Hoyle and	Miss Mona Williams (1)	1, Trinity Road, Hoyle	Hoyle 3084
West Kirby	Mrs. E. Jemmett (2)	58, Gresford Avenue, West Kirby	Hoyle 1552
Hyde	Miss L. Kitchen (64)	7, Elm Grove, Hyde	Hyde 789
	Mrs. J. H. Jones (65)	82, Knott Lane, Hyde	Hyde 1914
	Miss M. Coote (66a)	48, Barley Croft Road, Newton, Hyde	Hyde 1161
Lymm	Miss J. Pike (34)	21, The Crescent, Lymm, Warrington	Lymm 725
Macclesfield	Mrs. B. J. Whittaker (52)	12, Garden Street, Macclesfield	Macclesfield 3766
	Miss E. E. Hancell (53)	64, High Street, Macclesfield	Macclesfield 4344
	Miss G.H. Robinson (54)	249, Peter Street, Macclesfield	Macclesfield 3321
	Miss E. Fairclough (55)	19, Nicholson Avenue, Macclesfield	Macclesfield 3322
	Mrs. D. Tomlinson (56)	7, Glegg Street, Macclesfield	Macclesfield 2073
	Mrs. A. E. Hough (26)	Beaumont, St. Ann's Road, Macclesfield	Macclesfield 167

COUNTY MIDWIVES (contd.)

<i>District</i>	<i>Name</i>	<i>Address</i>	<i>Telephone</i>
Neston	Miss E. Lythgoe (8)	22, Hawkins Road, Neston	Neston 1626
Northwich	Mrs. E. Sherratt (23a)	Cartmel, London Rd., Northwich	Northwich 2771
	Miss A. Orme (24)	95, Victoria Road, Northwich	Northwich 3025
Partington			
Runcorn	Miss E. M. Grice (17a)	30, Heath Road Crescent, Runcorn	Runcorn 3602
	Miss E. Edwards (18)	30, Heath Road Crescent, Runcorn	Runcorn 3602
	Miss P. Noon (19)	10, Stanley Villas, Runcorn	Runcorn 2556
	Miss B. Smith (20)	21, Russell Road, Runcorn	Runcorn 2013
Sale	Mrs. I. E. Thompson		
	(36)	6, Lansdowne Road, Sale	Sale 1140
	Mrs. D. Lindley (38)	47, Alderley Road, Sale	Sale 4383
Sandbach	Miss M. Beatty (45)	5, Coronation Crescent, Sandbach	
Salybridge	Miss Sowerbutts (58)	21, Shakespeare Avenue, Millbrook	
		Salybridge	Salybridge 2151
	Miss N. Robinson (59)	6, Acres Lane, Salybridge	Salybridge 2821
	Mrs. F. Dent (60)	16, Ash Grove, Salybridge	Salybridge 2281
Stockton Heath	Mrs. A. J. Carroll (22)	1, Stetchworth Road, Walton, Warrington	Stockton Heath 611
Upton and Vicar's Cross	Mrs. E. McAllister (15)	73, Green Lane, Vicar's Cross, Chester	Chester 35637
	Miss I. B. Jones (16)	18, Bache Avenue, Liverpool Road, Chester	Chester 21097
Weaverham	Miss J. Wolahan (23)	49, Wallerscotc Road, Weaverham	Weaverham 2116
Winsford	Mrs. M. Court (25)	117, Delamere Street, Over, Winsford	Winsford 311

RELIEF MIDWIVES

Mrs. E. Horne	93, Moorhouse Avenue, Alsager	-----	Alsager 602
Mrs. E. M. Thompson	19, Shipbrook Avenue, Rudheath, Northwich	-----	Northwich 3192

COUNTY DENTAL NURSES (4)

Mrs. D. Comyn	Spring Villa, Upton Park, Chester.
Miss H. Howarth	700, Borough Road, Birkenhead
Mrs. M. A. Ramsbottom	26, Siddall Road, Bramhall, Stockport
Miss G. Rees	46, George's Crescent, Grappenhall, Warrington.

COUNTY DENTAL ATTENDANTS (20)

Miss M. Aspden	16, Jenny Lane, Woodford, Bramhall, Stockport
Miss J. Bartley	27, Tarvin Road, Chester.
Mrs. E. I. Cooke	250, Birch Lane, Dukinfield
Mrs. M. Cowsill	61, Halc Road, Halc, Altrincham
Mrs. B. A. Doyle	27, Lower Fold, Marple Bridge, Stockport
Miss D. Fellowes	14, Rosslyn Drive, Moreton, Wirral
Miss D. Griffin	111, Allport Lane, Bromborough
Mrs. L. Holland	3, School Drive, Barnton, Nr. Northwich
Miss A. Kealey	The Ley, Winnington, Northwich.
Miss B. Lawrence	233, Chester Road, Hartford, Cheshire
Miss B. Nightingale	7, Mortlake Crescent, Chester
Mrs. A. G. Parry	26, Barlow Moor Road, Didsbury, Manchester, 20.
Mrs. V. B. Potter	70, Lorraine Road, Timperley
Mrs. L. P. Rees	86, Bond Street, Macclesfield.
Miss G. B. Shore	Heath Lea, Bunbury, Nr. Tarporley
Miss D. Smith	30, Willow Grove, Hoole, Chester.
Mrs. F. A. Underwood	11, Earl Street, Edgeley, Stockport
Miss S. Webberley	Spring Bank, Timbersbrook, Congleton
Mrs. J. Wilkinson	26, Rossett Avenue, Timperley, Altrincham

AUTHORISED OFFICERS FOR MENTAL HEALTH

No. and District	Name	Office	Residence
1 Wirral	E. M. Harbrow	218, Bebington Road, Bebington (Tel. Rock Ferry 1155)	239, Greenbank Road, West Kirby (Tel. Hoylake 3071).
2 West	I. A. R. Kingaby	11b, Newgate Street, Chester (Tel. Chester 24520)	15, Durban Avenue, Christleton, Chester (Tel. Chester 35113).
3 Runcorn	F. Sterry	District Offices, Waterloo Road, Runcorn (Tel. Runcorn 2608)	12, Weston Crescent, Runcorn (Tel. Runcorn 2426)
4 Mid-Cheshire	E. Platt	Brunner Guildhall, High Street, Winsford (Tel. Winsford 3346)	Kensyd, Delamere Street, Winsford (Tel. Winsford 3352)
5 Nantwich	F. H. Mills	21, Pillory Street, Nantwich (Tel. Nantwich 5545)	Northwood, Millfields, Nantwich (Tel. Nantwich 5545).
6 Crewe & Sandbach	R. E. Broach	1, Gatefield Street, Crewe (Tel. Crewe 2478)	180, Crewe Road, Alsager (Tel. Alsager 174)
7 Altrincham & Sale	W. H. Driver	1, Claremont Road, Sale (Tel. Sale 2305)	32, Sefton Road, Sale (Tel. Sale 3408).
8 Bucklow & Wilmslow	R. Dixon	Bexton Road, Knutsford (Tel. Knutsford 506)	18, Stanley Road, Knutsford (Tel. Knutsford 506).
9 Macclesfield & Congleton	L. W. Lyon	11-13 Church Street, Macclesfield (Tel. Macclesfield 4908)	Ainsdale, Gawsworth Road, Maccles- field (Tel. Macclesfield 2976).
10 North-East	C. G. Owens	District Offices, 59b, Shaw Heath, Stockport (Tel. Stockport 4422)	Coniston, Goyt Crescent, Brinnington, Stockport (Tel. Stockport 3145).
11 Hyde & Stalybridge	J. Thompson	28, Pickford Lane, Dukinfield (Tel. Ashton 1128)	28, Pickford Lane, Dukinfield (Tel. Ashton 1128).

DAY NURSERIES

Altrincham M.B.	1, Gaskell Road (Tel. Altrincham 3621). <i>Matron</i> —Mrs. W. Helliwell
Bebington M.B.	The Bradmoor, Bromborough (Tel. Brom- <i>Matron</i> —Mrs. F. G. Davies borough 1381)
Congleton M.B.	Bradshaw House, Lawton Street (Tel. Congleton <i>Matron</i> —Mrs. H. E. Knight 282).
Dukinfield M.B.	Dewsnap Lane (Tel. Ashton-u-Lyne 3136). <i>Matron</i> —Mrs. C. J. Bell
Ellesmere Port M.B.	Whitby Road (Tel. Ellesmere Port 1357). <i>Matron</i> —Mrs. R. F. Chroston
Macclesfield M.B.	South Park, Poplar Road (Tel. Macclesfield 3751) <i>Matron</i> —Mrs. M. Dean 1, Glegg Street (Tel. Macclesfield 2813). <i>Matron</i> —Miss R. A. Graham Nicholson Avenue, Hurdfield <i>Matron</i> —Mrs. L. Potts (Tel. Macclesfield 4225)
Sale M.B.	Harley Road (Tel. Sale 4627). <i>Matron</i> —Mrs. E. Howitt
Bollington U.D.	Buntings Field, Wellington Road (Tel. Boll. <i>Matron</i> —Mrs. I. Helme 3294).
Bredbury & Romiley U.D.	Highfield Park Road, Bredbury (Tel. Woodley <i>Matron</i> —Mrs. E. M. Applegate 2817).
Hazel Grove & Bramhall U.D.	Queen's Road, Hazel Grove (Tel. Stepping Hill <i>Matron</i> —Miss F. H. Dunn 2048)
Runcorn U.D.	Okell Street (Tel. Runcorn 2461). <i>Matron</i> —Mrs. M. Jones

WRENBURY HALL TUBERCULOSIS REHABILITATION CENTRE

Medical Superintendent—P. W. Edwards, M.B.E., M.B., Ch.B.

Warden and Manager—L. T. Burton

MOTHERS' AND BABIES' HOME

Prospect House, 7, Trinity Road, Hoylake (Tel. Hoylake 1054).

Matron—Miss R. A. Barton

OCCUPATION CENTRES

Rigby Memorial School, Navigation Road, Altrincham.

(Tel. Altrincham 4977).

Supervisor—Mrs. D. M. Platt

Methodist Sunday School, Stockport Road, Gee Cross, Hyde (Tel. Hyde 1480)

Supervisor—Mrs. M. Coombes

33, Great King Street, Macclesfield (Tel. Macclesfield 3407)

Supervisor—Mrs. M. Cheadle

St. Mark's School, School Lane, Grove Street, New Ferry

(Tel. Rock Ferry 1548)

Supervisor—Mrs. F. A. M. Williams

CENTRAL OFFICE

24, Nicholas Street, Chester (Tel. Chester 22305—3 lines).

REPORT OF THE County Medical Officer of Health

For the Year ended December 31st, 1954

Section I.-Area and Population

Area

The acreage of the County at the end of 1954 was 621,825 acres.

Population

The population of the Administrative County, as constituted 1/4/54 and enumerated at the Census of 1951, was 815,884. The estimate of the Registrar-General for mid-1954 was 831,400.

Rateable Value

The rateable value of the Administrative County of Cheshire for General County Rate purposes at 1/4/54 was £5,731,475. A penny rate over the whole County for 1954-55 represented the sum of £23,669 (estimated).

Health Service Premises

The following is a brief summary of the major works commenced or completed in the above year. In addition, many minor adaptations and improvements have been carried out at various buildings, and the normal programme of maintenance work has continued.

CLINIC CENTRES

Completed and taken over:	<i>Weaverham</i>
	<i>Cheadle</i>
	<i>Stalybridge</i>
	<i>Knutsford (Stage 2)</i>
	<i>Hoylake</i>

AMBULANCE DEPOTS

Commenced but not completed:	<i>Ellesmere Port</i>
	<i>Runcorn Manse Garage</i>
	(purchase of property and scheme of adaptations agreed)

OCCUPATION CENTRES

Adaptations completed: *Macclesfield, King Street,
Altrincham, Rigby Memorial School*

WRENBURY HALL COLONY

Completed and taken over: *New Hostel Block*

HOUSING

Conversion of 1 Hawthorn Road, Hale,
into two Flats

Section II.-Births and Deaths

The figures are for the Administrative County, 1954, unless otherwise stated.

Live Births :—

	Total.	Male	Female
Legitimate	11486	5914	5572
Illegitimate	423	215	208

Birth Rate per 1,000 of the estimated resident population, 14.3.

	Total.	Male	Female
Stillbirths	318	170	148

Stillbirths Rate per 1,000 total (live and still) births, 26.0.

	Total.	Male	Female
Deaths	9924	5137	4787

Death Rate per 1,000 of population, 11.9.

The principal causes of death were as follows:—

Disease.	No. of Deaths.	Rate per million population.*
Heart Disease	3253	3902
Malignant Diseases	1642	1970
Vascular lesions of nervous system	1609	1930
Pneumonia	296	355
Tuberculosis (all forms)	113	135
Pulmonary	96	115
Non-Pulmonary	17	20
Nephritis	124	149
Bronchitis	505	605

The deaths from the chief zymotic diseases were as follows :

Disease.	No. of Deaths.	Rate per million population.
Diphtheria	—	—
Whooping Cough	—	—
Measles	4	4.7
Gastritis, Diarrhoea and Enteritis	39	46.7

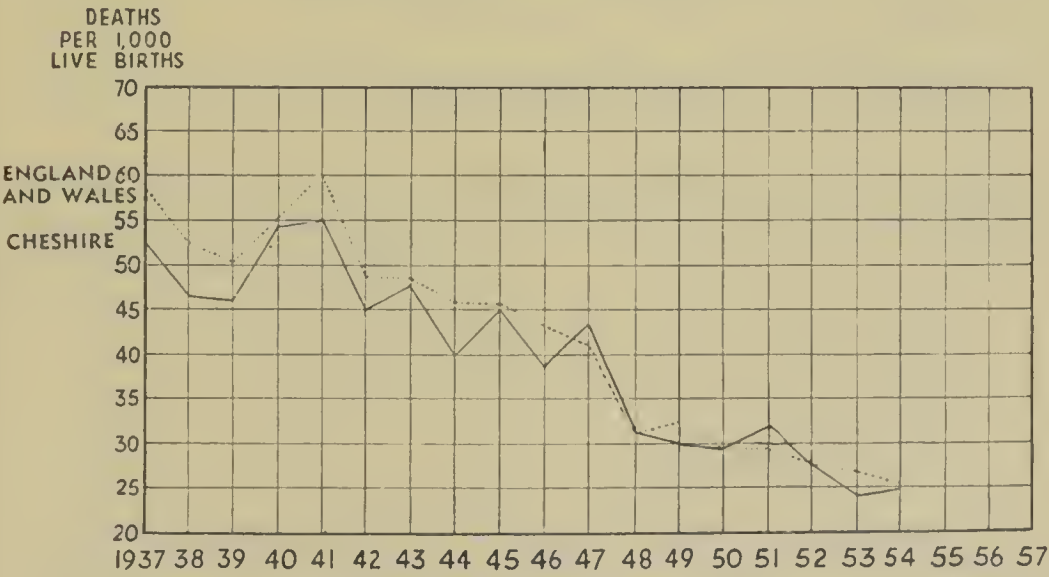
The zymotic Death Rate was 0.05 per 1,000.

Infantile Mortality:—

	Under 1 year	Under 4 weeks
Deaths of Infants in the Administrative County during 1954	297	208
Legitimate	284	201
Illegitimate	13	7
All Infants per 1,000 live births •	24.9	17.5
Legitimate Infants per 1,000 legitimate live births	24.7	17.5
Illegitimate Infants per 1,000 illegitimate live births	30.7	16.5

The figures for deaths under one year in recent years are shown in the following diagram :—

INFANTILE MORTALITY



Deaths from Puerperal Causes :—

	Deaths.	Rate per 1,000 total (live and still) births.
Pregnancy, Childbirth, Abortion	5	0.4

Section III.-Vaccination and Immunisation

Under Section 26 of the National Health Service Act, 1946, the County Council has the duty of making available a full service of vaccination against smallpox and of immunisation against diphtheria; the organisation and management of the scheme has been devolved upon the Divisional Health Committees. Immunisation is also provided against whooping cough.

It is hoped that the attention now devoted to Health Services in general, and to this aspect in particular, will result in a considerable increase in vaccination, just as it has served to secure a wide response to the offer of immunisation. Immunisation is, in practice, meant for children, with particular attention to those under 5, but vaccination may on occasion be sought by persons of any age, and a recent amendment of the County Scheme has provided for this.

Arrangements made under the Council's scheme include participation by general practitioners and sessions at clinics.

During the year 1954, the number of persons vaccinated was as follows:—

	<i>Vaccinated</i>	<i>Re-Vaccinated</i>
Under 1 year	3970	1
Age 1 year	802	3
Age 2—4 years	299	25
Age 5—14	338	198
Age 15 years and over	491	1194

During the same period the number of children notified as having completed a full course of primary immunisation against diphtheria was as follows:—

Children under 5 years	8727
Children 5—14 years	1321
Total number of children who were given a secondary or reinforcing injection	6908

It is unfortunate that not all immunisations carried out are notified to the Local Health Authority and the above figures are therefore not complete.

The number of children at 31st December, 1954, who had completed a full course of immunisation against diphtheria at any time before that date was as follows:—

		<i>Last complete course of injections (whether primary or booster)</i>	
<i>Born in Year</i>	1950—54	1949 or earlier	
1954	1475	—	
1950—53	28233	—	
1945—49	31296	23325	
1940—44	16203	28062	
Totals	1940—54	77207	51387

The estimated mid-year child population for the year 1954 was as follows:—

Under 1 year	11790
1—4 years	48410
5—14 years	122800
Total under 15 years	183000

During the year 1954 the number of children who completed a full course of immunisation against whooping cough was as follows:—

Under 1 year	2302
Age 1—4 years	4395
Age 5—14 years	681

Section IV.-Ambulance Service

The County Council is charged with the duty, under Section 27 of the National Health Service Act, 1946, to provide a comprehensive ambulance service throughout the County, free of charge to persons carried; the duty includes transport by car of persons who are unfit for public transport but do not need to be recumbent. The service is one which has been devolved for organisation and management within the approved estimates to Divisional Health Committees throughout the County.

Arrangements are made to pay for the agency use of some Red Cross and St. John vehicles. In addition, there is a supplementary arrangement with the Voluntary Car service which, originally organised during the war, had been continued and paid for up to 5/7/48 by hospital authorities. Taxis and hired cars are also used as a supplementary service.

During 1954, delivery was taken of three Bedford Lomas ambulances ordered in 1953, and three Bedford Lomas Sitting case ambulances which were ordered in 1954.

Orders placed for three Bedford Lomas ambulances and seven Bedford Lomas sitting case ambulances for delivery in 1955, have already been completed.

The Runcorn ambulance service, which was previously run by a private contractor, became a directly provided service on 26th April, 1954.

The arrangements by which the County Boroughs of Chester, Stockport, and Warrington, and the Counties of Shropshire and Derbyshire provided an Ambulance Service in particular areas, or for special purposes, were continued, as was the arrangement whereby the County Borough of Liverpool and the County of Lancashire convey smallpox patients or others needing special disinfection. On the other hand Cheshire supplies the night time service for the Glossop area of Derbyshire.

For long distance journeys, use is made of the service provided by the Railway Executive for invalids, which comprises, for a small fee, a reserved compartment without payment of fares other than for the persons actually travelling. There are special arrangements for casual use, at an agreed fee, of other Authorities' ambulances, either at the far end of such a railway journey, or to meet special emergencies, and help is similarly given to other ambulance authorities.

The whole-time ambulance staff now approved consists of the following:—

Supervisors	.....	.....	.....	.....	10
Senior Drivers and Mechanics				.....	12
Driver Attendants	.....	.....	.....	.....	155
Others	.....	.....	.....	.....	1

The following schedule shews the work done by the service for the financial year 1954—5:—

ITEM (1)	Directly Provided Service (2)				Supplementary Service (including Hospital Car Service). (3)				Transport by Rail (4)
	Amb.	S.C.A.	S.C.C.	Total	Amb.	S.C.A.	S.C.C.	Total	
1. No. of persons carried (excluding relatives, escorts and friends)									
(a) Section 27 patients									
(i) Accident or Emergency	11,173	557	583	12,313	709	—	613	1,322	—
(ii) Others	106,338	16,414	55,188	177,940	912	—	18,395	19,307	65
(iii) Total of (i) and (ii)	117,511	16,971	55,771	190,253	1,621	—	19,008	20,629	65
(b) Other persons, e.g. persons taken to day nurseries, welfare institutions, occupational centres, clinics, special schools, etc.	811	15	315	1,141	1	—	82	83	—
(c) Grand total i.e. (a) (iii) and (b)	118,322	16,986	56,086	191,394	1,622	—	19,090	20,712	65
2. No. of journeys by vehicles									
(a) Patient carrying journeys	44,258	6,152	16,068	66,478	1,173	—	9,385	10,558	—
(b) Abortive and service journeys	1,273	39	700	2,012	17	—	45	62	—
(c) Journeys for transport of analgesia apparatus, midwives, home nurses, etc.	163	81	426	670	—	—	1	1	—
(d) Total of (a) (b) and (c)	45,694	6,272	17,194	69,160	1,190	—	9,431	10,621	—
3. Total mileage (incl. that in respect of 1 (b))	806,033	119,387	459,293	1,384,713	17,304	—	242,647	259,951	8,503

Population of service area 828,400*
 Acreage of service area 619,617*
 No. of ambulance stations—
 Directly provided service 16

No. of operational vehicles on establishment at 31st March, 1955:—
 Ambulances 53
 Sitting case vehicles 23
 *Excludes Disley R.D. served wholly by Derbyshire C.C.

Section V.-Prevention of Illness, Care and After-care

General

Section 28 of the National Health Service Act, 1946, gives permissive powers to the County Council to make a scheme for prevention of illness, and for the care and after-care of persons suffering from illness. The County Council has a duty to make detailed arrangements for any disease the Ministry may specify. In this connexion, tuberculosis has been so specified, and much of the work, other than clinic and institutional provision, which was carried out for many years under the County Tuberculosis Scheme, is being continued under the new powers.

The arrangements under this section of the Act are among those which for organisation and management, within the approved estimates, have been devolved to Divisional Health Committees.

Tuberculosis

Consultant Chest Physicians, the main part of whose work at chest clinics passed to the Regional Hospital Boards on the appointed day, are part-time officers of the County Council, and give Divisional Medical Officers all necessary advice in the sphere of care and after-care; Health Visitors pay home visits to tuberculosis patients and help to secure the attendance of contacts at the clinics. The loan of large items such as garden shelters, and the supply of smaller items such as sputum flasks, now form part of the general scheme for the provision of nursing equipment, of which details are given later.

Wrenbury Hall Industrial Training Colony has continued under the full ownership and control of the County Council, and arrangements are being made for considerably extending the scope of the training given. During the year 1954, some 37 Cheshire trainees were admitted for industrial rehabilitation, and 32 from other local authorities. There are at present 25 colonists living in the hostel, of whom 5 are married, and 7 married colonists living with their families in cottages on the estate.

The following tables will enable a comparison to be made between 1954 and previous years in respect of the incidence of, and mortality due to, tuberculosis

Tuberculosis Statistics

	1954	1953	1952
New cases notified (primary)			
Pulmonary	371	433	449
New cases notified (primary)			
Non-pulmonary	87	81	119
	<hr/>	<hr/>	<hr/>
Total	458	514	568
	<hr/>	<hr/>	<hr/>
No. of cases remaining on Registers of Notifications kept by District M.O's.H., December 31st	5168	5207	5061
No. of Deaths from all forms of Tuberculosis	113	104	146
Death-rate from all forms of Tuberculosis per 1,000 of the population	0.13	0.12	0.18

Table relating to Tuberculosis in children under 16 :—

Year	Number of Children notified as suffering from Pulmonary Tuberculosis	Number of Children notified as suffering from Non- Pulmonary Tuberculosis	Percentage of Total Notifications	
			Pulmonary	Non- Pulmonary
1945	14	124	2.9	65.6
1946	12	82	3.2	58.6
1947	20	121	4.3	62.1
1948	24	101	5.4	63.9
1949	21	73	4.8	59.3
1950	24	59	5.2	48.8
1951	30	63	6.9	55.3
1952	56	62	12.5	52.1
1953	55	45	12.7	55.6
1954	46	54	12.4	62.1

Table showing primary notifications and deaths from Tuberculosis during past 30 years:—

Year	Primary notifications	Deaths	Death rate per 1,000 population
1925	883	510	.78
1926	939	489	.73
1927	892	488	.73
1928	932	499	.74
1929	917	465	.69
1930	838	438	.64
1931	802	438	.64
1932	751	460	.66
1933	754	389	.57
1934	765	377	.54
1935	739	367	.52
1936	752	348	.49
1937	799	373	.52
1938	802	360	.49
1939	709	358	.48
1940	674	403	.52
1941	740	402	.52
1942	713	302	.40
1943	685	339	.46
1944	734	332	.45
1945	669	302	.41
1946	510	310	.40
1947	655	296	.38
1948	601	279	.35
1949	565	266	.33
1950	582	195	.24
1951	546	181	.22
1952	568	146	.18
1953	514	104	.12
1954	458	113	.13

The 1954 deaths are made up as follows :—

	Male	Female	Total
Pulmonary	68	28	96
Non-Pulmonary	6	11	17
	<hr/> 74	<hr/> 39	<hr/> 113

Death Rates, 1954—

All forms	.13 per 1000 of population
Pulmonary	.11 per 1000 of population
Non-Pulmonary	.02 per 1000 of population

Contacts.

During the year 1954, approximately 3,161 contacts of tuberculous patients were examined by Chest Physicians, with the co-operation of the health visitors who visited their homes whenever necessary. Particulars were sent, as usual to the Physicians of all tuberculosis deaths (whether of notified or unnotified cases) to assist in arrangements for contact examination.

Mass Miniature Radiography

During 1954, the following visits of the Mass Miniature Radiography Units took place:—

Manchester Unit—

Cheadle and Gatley	12th February to 10th May
Alderley Edge and Wilmslow districts	17th May to 3rd June
Knutsford	1st to 13th July

The following table gives the number of examinations made, and details of the abnormalities detected:—

	<i>Cheadle & Gatley</i>	<i>Alderley Edge & Wilmslow</i>	<i>Knutsford</i>
Number of miniature examinations	9,560	5,388	2,343
Number recalled for large films	410	290	33
Number of abnormalities detected	556	399	38
Types of abnormalities:—			
(a) Tuberculous conditions			
(i) Inactive primary	83	49	4
(ii) Inactive post primary	116	69	14
(iii) Active post primary	14	11	2
	<hr/> 213	<hr/> 129	<hr/> 20
(b) Non-Tuberculous conditions			
(i) Abnormalities of bony thorax and Lungs	84	48	—
(ii) Cardiac abnormalities	31	29	8
(iii) Bronchiectasis	22	22	1
(iv) Others	206	171	9
	<hr/> 343	<hr/> 270	<hr/> 18

The opportunity was taken during these visits to arrange for the nursing, teaching, and children's department staff in the districts concerned to be examined on a voluntary basis.

Summary of Notifications during the period from the 1st January, 1954, to the 31st December, 1954.

PART I.—

FORMAL NOTIFICATIONS

Number of Primary Notifications of new cases of tuberculosis

Age Periods	0-	1-	2-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	Total (all ages)
Respiratory, Males	2	—	6	11	6	16	17	43	32	33	37	14	2	219
„ Females	—	—	4	10	7	27	28	38	17	13	2	6	—	152
Non-respiratory,														
Males	—	3	6	12	8	3	3	2	2	—	2	—	—	41
„ Females	—	—	3	8	14	4	1	5	4	3	2	1	1	46

PART II.—New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above-mentioned period, otherwise than by formal notification.

Source of Information	Number of cases in age Groups													TOTAL	
	0—	1—	2—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75—		
Death Returns from Local Registrars.....	Respiratory M	—	—	1	—	—	—	—	1	3	1	4	—	10 (A)	
	F	—	—	—	—	—	—	—	1	—	—	—	—	1 (B)	
	Non-Respiratory M	—	—	—	—	—	—	—	—	1	—	—	—	1 (C)	
	F	—	—	—	—	1	—	—	—	—	1	—	—	2 (D)	
Death Returns from Registrar-General (Transferable deaths)	Respiratory M	—	—	—	—	—	1	—	1	—	1	2	3	8 (A)	
	F	—	—	—	—	—	—	—	—	1	—	1	—	2 (B)	
	Non-Respiratory M	—	—	—	—	—	—	1	—	—	—	—	—	1 (C)	
	F	—	—	—	1	—	—	—	1	—	—	1	1	4 (D)	
Posthumous Notifications	Respiratory M	—	—	—	—	—	—	—	—	—	—	—	—	— (A)	
	F	—	—	—	—	—	—	—	—	—	1	—	—	1 (B)	
	Non-Respiratory M	—	—	—	—	—	—	—	—	—	—	—	—	— (C)	
	F	—	—	—	—	—	—	—	—	—	—	—	—	— (D)	
TOTALS														(A)	18
														(B)	4
														(C)	2
														(D)	6

B.C.G.

The County Council's proposals under Section 28 of the National Health Service Act, 1946, for B.C.G. vaccination of contacts of tuberculous persons were approved by the Minister on 24th October, 1949. They provided for B.C.G. vaccination, by and at the instance of a physician with specialist knowledge and experience of tuberculosis of contacts of patients suffering from tuberculosis, such contacts being found by medical tests to be capable of receiving protection from tuberculosis as a result of B.C.G. vaccination. In May, 1954 approval was given by the Ministry of Health to the Scheme being extended to provide for the B.C.G. Vaccination of children between 13 and 14 years of age.

In the first place those physicians with specialist knowledge and experience of tuberculosis were the chest physicians employed by the Regional Hospital Board, towards whose salary the County Council pay a specified proportion. Fourteen Divisional Medical Officers and four Assistant County Medical Officers have received instruction in the technique and methods of B.C.G. vaccination and have been approved for this purpose.

One of the biggest problems in providing B.C.G. vaccination has been the segregation of contacts for six weeks before and six weeks after vaccination, but this has been overcome usually by making arrangements with friends or relations of the child to be vaccinated and in exceptional cases the Children's Committee has provided accommodation in the County Children's Homes. On the principle that the absence of facilities for segregation should not preclude a mantoux negative contact from being vaccinated by B.C.G., the policy is adopted of vaccinating forthwith if after a fortnight's effort segregation is not found to be practicable.

During 1954, the chest physicians vaccinated 355 cases, and the Divisional Medical Officers vaccinated 124 cases, under the contact scheme. In addition to these, certain new-born infants were vaccinated at St. Mary's Hospital, Manchester, through special arrangements made by the Professor of Child Health at Manchester University, and during the year, some 153 babies born to Cheshire mothers were thus vaccinated. Special arrangements have been made at Clatterbridge Hospital whereby newly born children of tuberculous parents can be transferred for post-vaccination segregation to a convalescent home maintained in connection with the Hospital.

Divisional Medical Officers and Assistant County Medical Officers vaccinated 1494 school children during the year and details of the work carried out under the scheme for school children are as follows:—

Before B.C.G. Vaccination

No. of consent forms issued	3,352
No. of children for whom consents received	2,668
No. of patch tests by tuberculin jelly	2,117
No. positive to patch test	455
No. Mantoux tested	1,880
No. positive to Mantoux test	349

After B.C.G. Vaccination

No. having follow-up Mantoux (8 weeks)	962
No. positive to follow-up Mantoux (8 weeks)	900
No. having follow-up Mantoux (12 months)	40
No. positive to follow-up Mantoux (12 months)	40

Mental Illness

The care and supervision of patients at home suffering from mental illness or defect is carried out by Health Visitors and Authorised Officers, and arrangements are made, in suitable cases, for help to be given by other County services, such as Home Nursing and Domestic Help.

Other Illnesses

Liaison has been continued with the Almoners and other appropriate officials of general hospitals so that discharged patients requiring help from any of the County Health Services may secure it without delay.

Another aspect of "care" is the investigation of "problem families" with a view to effecting any possible improvement and granting any appropriate help, *e.g.*, the loan of bedding.

An important aspect of "prevention of illness" is health education, and appropriate publicity under this heading is carried out locally.

Nursing Equipment

Stocks of nursing equipment are held by District Nurses and by Divisional Medical Officers for loan to patients needing them, subject to a small deposit charge, and a weekly hire payment in the case of the more expensive items. Examples of the small items normally kept by District Nurses are urinals, hot water bottles, bed pans, feeding cups, sputum flasks, steam kettles, air rings and back rests; the larger items stored by the Divisional Medical Officers include crutches, bath chairs, spinal carriages and water beds.

Shelters for the use of tuberculosis patients are issued by the County Medical Officer and transferred by the County Surveyor's Department, in accordance with recommendations made by the Chest Physicians, and confirmed, after investigation of the site, by the Divisional Medical Officer. Bedding is also kept for issue in special cases, *e.g.*, when a patient's small stock has to be taken away for disinfection or disinfestation, or to provide for house isolation of patients.

Recuperative Convalescence

During the year 1954, 83 patients were sent for recuperative convalescence for periods varying between two and eight weeks. Contributions were paid by the patients towards the cost of this convalescence in accordance with the County scale. Also under Section 28, seven mentally defective children were found accommodation for short periods during the year.

Infectious Disease

In order that Divisional Health Committees may have a continuous picture of the incidence of infectious disease in their areas, Divisional Offices receive full particulars of notified cases, and the County Council repays to District Councils, in accordance with the National Health Service Act, the notification fees paid to doctors. The following table gives the number of cases notified under the various headings during the year 1954.

	Scarlet Fever	Whooping Cough	Acute Poliomyelitis Paralytic	Acute Poliomyelitis Non-Paralytic	Measles (excluding Rubella)	Diphtheria	Acute Pneumonia	Dysentery	Smallpox	Acute Encephalitis Infective
Altrincham M.B.	38	142	2	—	213	—	15	1	—	—
Bebington M.B.	55	140	7	3	622	—	36	15	—	3
Congleton M.B.	22	21	—	1	55	—	26	—	—	—
Crewe M.B.	86	22	1	—	165	—	5	8	—	1
Dukinfield M.B.	13	50	—	—	8	—	39	103	—	—
Hyde M.B.	17	67	1	—	445	—	16	2	—	—
Macclesfield M.B.	38	54	—	—	200	—	20	4	—	—
Sale M.B.	66	41	1	—	107	—	7	14	—	—
Stalybridge M.B.	10	57	—	—	17	—	14	58	—	—
Alderley Edge U.D.	3	6	—	—	2	—	—	—	—	—
Alsager U.D.	—	6	—	—	7	—	6	—	—	—
Bollington U.D.	37	50	—	—	9	—	—	—	—	—
Bowdon U.D.	—	15	—	2	5	—	—	—	—	—
Bred. and Rom. U.D.	45	21	—	—	25	—	6	—	—	—
Cheadle and Gatley U.D.	39	7	1	2	235	—	7	1	—	—
Ellesmere Port U.D.	17	152	—	—	758	—	9	278	—	—
Hale U.D.	12	20	2	—	73	—	2	—	—	—
Hazel Grove and Bramhall U.D.	29	36	—	—	173	—	1	8	—	—
Hoole U.D.	1	3	—	—	—	—	1	—	—	—
Hoyle U.D.	18	11	—	—	237	—	9	4	—	—
Knutsford U.D.	5	—	1	—	1	—	1	—	—	—
Longdendale U.D.	3	—	—	—	24	—	4	—	—	—
Lymm U.D.	51	—	—	—	—	—	—	—	—	—
Marple U.D.	16	34	—	—	62	—	3	9	—	—
Middlewich U.D.	1	—	—	—	27	—	—	—	—	—
Nantwich U.D.	16	3	—	—	83	—	—	4	—	—
Neston U.D.	39	5	—	—	107	—	14	4	—	—
Northwich U.D.	19	20	—	—	220	—	2	—	—	—
Runcorn U.D.	27	6	—	—	245	—	4	—	—	—
Sandbach U.D.	6	1	—	1	152	1	3	1	—	—
Wilmslow U.D.	6	22	—	—	8	—	6	—	—	—
Winsford U.D.	20	—	—	—	122	—	3	—	—	—
Wirral U.D.	15	6	1	1	238	—	21	7	—	—
Bucklow R.D.	16	10	—	—	36	—	3	9	—	—
Chester R.D.	15	30	—	1	57	—	45	10	—	—
Congleton R.D.	12	2	—	—	97	—	15	2	—	—
Disley R.D.	9	2	—	—	6	—	3	—	—	—
Macclesfield R.D.	25	29	—	—	75	—	7	2	—	—
Nantwich R.D.	52	46	—	—	149	—	21	2	—	—
Northwich R.D.	79	48	1	—	958	—	11	9	—	—
Runcorn R.D.	45	16	—	—	279	—	7	4	—	—
Tarvin R.D.	10	161	—	—	59	—	48	—	—	—
Tintwistle R.D.	—	6	—	—	—	—	—	—	—	—
TOTAL	1033	1368	18	11	6361	1	440	559	—	4

	Acute Encephalitis Post Infectious	Enteric or Typhoid Fever	Paratyphoid Fever	Erysipelas	Meningococcal Infection	Food Poisoning	Tuberculosis Respiratory	Tuberculosis Meninges and C.N.S.	Tuberculosis Other	Puerperal Pyrexia
Altrincham M.B.	—	—	—	5	1	—	8	1	1	1
Bebington M.B.	—	—	1	7	3	8	82	1	25	1
Congleton M.B.	—	—	—	2	—	—	5	—	5	—
Crewe M.B.	—	—	—	—	—	—	36	—	1	4
Dukinfield M.B.	—	—	—	2	—	5	14	—	4	—
Hyde M.B.	—	—	—	4	1	3	10	—	4	3
Macclesfield M.B.	—	—	—	4	2	1	13	1	2	27
Sale M.B.	—	—	—	—	1	—	16	—	4	4
Stalybridge M.B.	—	—	—	4	2	4	17	6	—	—
Alderley Edge U.D.	—	—	—	—	—	—	—	—	—	—
Alsager U.D.	—	—	—	2	—	—	2	—	—	—
Bollington U.D.	—	—	—	—	—	—	1	—	—	—
Bowdon U.D.	—	—	—	1	—	—	—	—	—	—
Bred. and Rom. U.D.	—	—	—	6	—	1	6	—	—	1
Cheadle and Gatley U.D.	—	—	—	—	—	3	14	—	2	—
Ellesmere Port U.D.	—	—	—	2	—	—	19	—	—	1
Hale U.D.	—	—	—	3	—	1	—	—	1	—
Hazel Grove and Bramhall U.D.	—	—	—	1	—	—	8	—	—	—
Hoole	—	—	—	2	—	1	—	—	—	—
Hoylake U.D.	—	—	—	3	1	—	14	—	1	—
Knutsford U.D.	—	—	—	—	—	—	9	—	—	—
Longdendale U.D.	—	—	—	2	—	—	5	—	—	1
Lymm U.D.	—	—	—	—	—	3	4	—	—	—
Marple U.D.	—	—	—	1	—	—	5	—	5	2
Middlewich U.D.	—	—	—	—	—	—	—	—	—	—
Nantwich U.D.	—	—	—	—	—	—	2	—	1	7
Neston U.D.	—	—	—	1	—	1	3	—	1	—
Northwich U.D.	—	—	—	—	—	—	4	—	—	—
Runcorn U.D.	—	—	1	—	—	—	5	—	—	—
Sandbach U.D.	—	—	—	—	—	—	3	—	—	1
Wilmslow U.D.	—	—	—	—	—	—	9	—	1	—
Winsford U.D.	—	—	—	—	—	—	4	—	—	—
Wirral U.D.	—	—	—	1	—	—	16	—	4	—
Bucklow R.D.	—	—	—	—	—	—	3	—	—	1
Chester R.D.	—	1	4	2	2	5	11	—	—	—
Congleton R.D.	—	—	—	1	—	—	3	—	2	—
Disley R.D.	—	—	—	—	—	—	—	—	—	—
Macclesfield R.D.	—	1	—	2	1	—	2	1	1	—
Nantwich R.D.	—	—	—	4	—	1	15	—	5	3
Northwich R.D.	—	—	—	—	—	—	9	—	3	—
Runcorn R.D.	—	—	—	2	1	—	9	—	1	1
Tarvin R.D.	—	—	—	1	—	—	6	—	3	—
Tintwistle R.D.	—	—	—	2	—	—	1	—	—	1
TOTAL	—	2	6	67	15	37	393	10	77	59

The following Table shows the variation in notifications of the principal Infectious Diseases during the past nine years:—

Notifications	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945
Scarlet Fever	1033	1232	1223	1007	1666	1695	1228	885	920	1704
Whooping Cough	1368	3080	2420	2144	2824	2216	2936	1239	1570	1081
Poliomyelitis	29	53	41	40	83	99	30			
Diphtheria	1	6	1	8	15	35	86	65	152	315
Smallpox	0	0	0	0	0	0	0	0	3	
Tuberculosis:—										
Pulmonary, all ages	393	433	449	432	461	442	443	460	370	480
Non-pulmonary, all ages	87	81	119	114	121	123	158	195	140	189
Pulmonary, Children under 16	46	55	56	30	24	21	24	20	12	14
Non-pulmonary, Children under 16	54	45	62	63	59	73	101	121	82	124

Section VI.-Mothers and Young Children Health Visiting, etc.

General

The County Council's responsibilities under Sections 22 and 24 of the National Health Service Act, 1946, are in the main a continuation of work which has been done for many years, though the Health Visitors' services are now used to carry out the Council's schemes for mental health, after-care, and handicapped persons.

Number of Health Visitors employed—31.12.1954	97
Equivalent whole-time H.V. Services provided	67.9

Number of visits paid by Health Visitors during the year.

Number of children under 5 years of age	67,869
Expectant Mothers—	
First Visits	3,330
Total Visits	5,999
Children under one year of age—	
First Visits	12,378
Total Visits	85,089
Children aged 1 and under 2 years—	
Total Visits	43,930
Children aged 2 but under 5 years—	
Total Visits	78,220
Tuberculosis Households—	
Total Visits	8,278
Other cases—	
Total visits	26,335
Total number of households or families visited	66,720

Premature Infants

Particular attention is devoted to babies weighing $5\frac{1}{2}$ lbs. or less at birth, and special cots with bedding, hot water bottles, etc., are kept in readiness. 826 premature live babies were born in the year under review, whose mothers normally live in the Authority's area, 189 at home and 637 in hospitals or nursing homes.

Puerperal Pyrexia

59 cases of Puerperal Pyrexia were notified during the year, 6 being domiciliary and 53 institutional confinements.

Maternal Mortality

The maternal mortality for 1954, *i.e.*, number of deaths due to pregnancy, childbirth or abortion, per 1,000 live and still births, was 0.4.

Ante-Natal and Post-Natal Clinics

The number of Ante-Natal clinics conducted by Doctors was 21. The Regional Hospital Boards pay for a proportion of the sessions attended by specialist obstetricians. In some areas there are other doctors' clinics, and in some districts midwives' clinics have been established. In one area a General Practitioner conducts his own Ante-Natal clinic at a County Clinic Centre.

The following Tables give particulars of County clinics held during 1954:—

Doctors' Clinics

	ANTE-NATAL			POST-NATAL		
	Sessions	Attend- ances	New Cases	Sessions	Attend- ances	New Cases
Altrincham†§	43	119	42	1	2	2
Bebington	99	1246	201	47	85	84
(New Ferry)						
Bredbury	48	488	159			
Cheadle	51	765	193			
Congleton	49	680	164			
Ellesmere Port	102	2798	429	*136	136	134
Hale†	13	9	3			
Hazel Grove	52	622	201			
Heswall	52	1653	161			
Hoole	6	11	1	*12	12	6
Hoyle	52	2220	259			
Hyde†	24	240	73			
Neston	48	685	88			
Northwich	48	581	97			
Macclesfield†	48	957	282			
Runcorn	51	725	185	*3	3	3
Sale	29	280	81	12	41	17
Stalybridge	35	185	34	*34	34	27

† Non-Specialist. ‡ at 3 Centres. § at 2 Centres.

* Joint ante- and post-natal sessions.

Midwives Clinics

				ANTE-NATAL		
				Sessions	Attendances	New Cases
Crewe						
(Ludford Street)				100	919	178
Stalbridge Road				50	311	46
Dukinfield				48	543	82
Hollingworth				52	152	26
Hoole				5	1	—
Hoylake				51	215	53
Knutsford				23	41	13
Little Sutton				50	538	76
Lymm				17	34	15
Nantwich				51	213	31
Neston				23	112	35
Weaverham				14	102	20
Winsford				50	211	60

Notification of Births

The distribution of the births to Cheshire mothers notified under the Public Health Act, 1936, was as follows :—

Domiciliary	Nursing Homes	Hospitals
3780	622	7633

Dental Care

Increasing importance is now attached by the Ministry of Health to the provision of Dental services for expectant and nursing mothers, and for young children. Facilities will be extended as opportunity offers, subject to the availability of necessary staff.

DENTAL REPORT

Mothers and young children are dealt with during School Dental clinic sessions.

All necessary treatment is carried out, if necessary with local or general anaesthetic.

All dentures are set up by a mechanic, and impressions and fittings carried out by the dental surgeon.

One clinic possesses an X-Ray apparatus, and for other clinics, arrangements are made with the local hospital.

The following details show the work done during the year 1954:—

	Expectant Mothers	Nursing Mothers	Children under 5 years
<i>(a) Numbers provided with Dental Care</i>			
Examined	107	157	848
Needing Treatment	106	148	839
Treated	101	140	839
Made Dentally Fit	75	105	735
Total Attendances	241	481	1115
<i>(b) Forms of Dental Treatment Provided</i>			
Temporary Extractions	—	—	1130
Permanent Extractions	211	445	—
Temporary Teeth Filled	—	—	331
Permanent Teeth Filled	143	87	—
Anaesthetics—Local	47	55	102
General	53	57	456
Partial Upper Dentures fitted	4	18	—
Full Upper Dentures fitted	4	30	—
Partial Lower Dentures fitted	4	16	—
Full Lower Dentures fitted	2	10	—
Scalings or Scaling and Gum Treatment	18	25	—
Silver Nitrate Treatment	—	—	57
Dressings	24	55	18
Radiographs	—	1	—
Crowns or Inlays	—	—	—

Artificial Sunlight Treatment

During the year 1954, the attendances by children under 5 at the sunlight clinics listed below were as follows:—

Dukinfield	523	Sale	329
Hyde	1079	Stalybridge	996
New Ferry	469		

Orthopaedic Scheme

The specialist orthopaedic sessions held at clinic premises were taken over financially by the Regional Hospital Boards, in the same way as those held at hospital premises, and suitable financial arrangements were made for the few clinics where physiotherapy was only partly under specialist supervision.

The following shews the attendances made during 1954 at such clinics (excluding those for sunlight only) by children under 5:—

Dukinfield	162	Runcorn	475
Ellesmerc Port	262	Sale	306
Hyde	682	Stalybridge	287
New Ferry	175	Stockton Heath	29
Northwich	129		

Infant Foods

The financial arrangements involved in the supply of infant foods at Welfare Centres continued in the main to be dealt with by Divisional Medical Officers' and the voluntary committees' valued help in the various aspects of centre work was continued.

Welfare Foods Service

On the 28th June, 1954, the responsibility for the distribution of Welfare Foods (National Dried Milk, Cod Liver Oil, Vitamin A & D Tablets, and Orange Juice) was handed over to Local Health Authorities, due to the closing down of the Ministry of Food.

The transfer of responsibility took place at very short notice, but in spite of this it was achieved with no dislocation to the system of distribution and has continued to operate most smoothly.

Various items of furniture and equipment were made available by the Ministry of Works, and these have since been purchased from that Ministry at their valuation.

Adaptations were necessary at several divisional offices in order to provide distribution points in convenient places for the public, and at the same time enabling them to be staffed with the minimum inconvenience by divisional office staff. In other cases it has been necessary to lease or rent suitable premises in the busy centres like Northwich, Altrincham, Macclesfield, etc.

At 31st December there were, in all, 176 distribution centres in the administrative county, 140 of these being manned by voluntary personnel, and 36 by full-time or part-time paid staff, including the staffs of the local district councils where, by arrangement, points have been established on district council premises.

Supplies are received from S.P.D. Depots at Hanley, Liverpool, Manchester and Walspool. S.P.D. Ltd. act as agents of the Ministry of Food in the matter of storage and delivery. It is usual for 6 weeks supply of Welfare Foods to be held at each distribution centre.

A total of 484,189 articles were distributed to individual beneficiaries, Institutions, N.H.S. Hospitals, maintained and non-maintained schools, day nurseries during the period 28th June, 1954 to 1st January, 1955 made up as follows:—

National Dried Milk	.....	.....	185,267	tins
Cod Liver Oil	.....	.....	49,265	bottles
Vitamin A & D Tablets	.....	.....	14,492	packets
Orange Juice	.....	.....	235,165	bottles

Day Nurseries

Details of the 13 Day Nurseries now maintained by the County Council are given on page 29. Two Nurseries at Cheadle and Northwich were closed in 1954. The following table shows the position at the end of 1954:—

No. of Nurseries	No. of Places		No. of Children on register		Average daily attendance	
	0—2	2—5	0—2	2—5	0—2	2—5
13	233	333	156	357	121	302

Care of Unmarried Mothers

Arrangements have continued whereby unmarried expectant mothers are admitted to voluntary institutions some time before the confinement, and return there with the baby for varying periods afterwards. The County Council's own Home at 7, Trinity Road, Hoylake, provides 12 beds and 8 cots, and 49 women were admitted during the year, staying approximately eight weeks before the birth and six weeks afterwards. Of these one was the responsibility of another local authority. Responsibility was accepted at other homes and hostels for 32 such mothers during the year.

Child Welfare Centres

The following Table gives particulars, as in previous years, of the sessions and attendances at Child Welfare Centres throughout the County:—

LIST OF INFANT WELFARE CENTRES, 1954.

Centre	Frequency	Day	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Adswood	Fortnightly	1st and 3rd Monday	23	481	214	21
Alderley Edge	Weekly	Friday	50	1606	675	32
Alsager	Fortnightly	Tuesday	28	834	135	30
Altrincham (The Mount)	Twice weekly	Monday & Wednesday	100	3310	508	33
Altrincham (Timperley)	Four times weekly	Tuesday a.m. & p.m. & Thursday a.m. & p.m.	193	6696	796	35
Antrobus	Fortnightly	1st and 3rd Wednesday	24	302	75	13
Audlem	Fortnightly	1st and 3rd Tuesday	24	1015	356	42
Barnton	Fortnightly	2nd and 4th Wednesday	24	1063	139	44
Barrow	Fortnightly	1st and 3rd Wednesday	24	322	142	14
Bebington (New Ferry)	Weekly	Wednesday	51	2139	581	42
Bebington (New Ferry 'Toddlers')	Monthly	2nd Thurs.	11	58	49	5
Bebington (Bromboro')	Weekly	Thursday	51	1342	451	26
Bebington (Eastham)	Weekly	Monday	48	1225	40	26
Bebington (Eastham 'Toddlers')	Monthly	3rd Friday	9	61	47	7
Bebington (Thornton Hough)	Fortnightly	Friday	24	307	10	13
Bebington (Higher Bebington)	Weekly	Tuesday	50	1568	433	31
Bebington (Mayer Hall)	Weekly	Friday	49	1348	319	28
Bollington	Fortnightly	2nd and 4th Thursday	24	923	317	38
Bowdon	Fortnightly	2nd and 4th Thursday	24	565	171	24
Bramhall	Fortnightly	1st and 3rd Monday	22	830	297	38
Bredbury	Weekly	Tuesday a.m. & p.m.	50	2835	820	57
Broadbottom	Fortnightly	1st and 3rd Wednesday	24	699	173	29
Cheadle	Weekly	Tuesday	50	2756	939	55
Cheadle (Toddlers')	Monthly	3rd Wed.	3	37	37	12
Cheadle Hulme	Fortnightly	Tuesday	26	1369	379	53
Comberbach	Fortnightly	1st and 3rd Wednesday	24	697	205	29
Congleton	Weekly	Monday	48	1613	956	14
Cranage	Weekly	Wednesday	45	637	162	51
Crewe (Ludford St.)	Weekly	Thursday	76	3868	794	

LIST OF INFANT WELFARE CENTRES, 1954—*Contd.*

Centre	Frequency	Day	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Crewe (Stalbr'ge Rd.)	Twice weekly	Monday and Wednesday	99	3744	438	38
Davenham	Monthly	1st Monday	12	419	123	35
Delamere	Fortnightly	1st and 3rd Monday	24	616	268	26
Disley	Fortnightly	Tuesday	26	623	173	24
Dukinfield	Twice Weekly	Wednesday & Thursday	99	3943	1307	40
Ellesmere Port (York Road)	Twice weekly	Tues. & Fri.	118	3938	664	33
Ellesmere Port (York Road 'Toddlers')	Monthly	1st Friday	11	135	96	12
Ellesmere Port (Ince)	Fortnightly	2nd and 4th Thursday	23	255	138	11
Ellesmere Port (Little Sutton)	Weekly	Monday	48	2089	286	44
Ellesmere Port (Overpool)	Fortnightly	1st and 3rd Thursday	24	806	179	34
Farndon	Fortnightly	1st and 3rd Tuesday	24	219	102	9
Frodsham	Fortnightly	Tuesday	26	645	231	25
Gatley	Fortnightly	2nd and 4th Thursday	24	1209	436	50
Goostrey	Fortnightly	1st and 3rd Tuesday	8	167	68	21
Grappenhall	Weekly	Tuesday	51	1398	422	27
Greasby	Weekly	Wednesday	52	1222	329	24
Hale	Weekly	Wednesday	52	2193	124	42
Hale Barns	Fortnightly	1st and 3rd Thursday	24	454	76	19
Handforth	Fortnightly	2nd & 4th Monday	23	366	147	16
Hartford	Fortnightly	2nd & 4th Tuesday	23	512	203	22
Haslington	Fortnightly	Tuesday	24	466	232	19
Hazel Grove.....	Weekly	Tuesday	49	3142	620	64
Heald Green.....	Fortnightly	1st & 3rd Thursday	24	656	221	27
Helsby	Fortnightly	Tuesday	26	688	244	26
Heswall	Fortnightly	Monday	52	2573	473	49
High Lane	Fortnightly	Tuesday	26	692	220	27
Hollingworth	Fortnightly	1st and 3rd Thursday	24	1708	335	71
Holmes Chapel	Fortnightly	2nd and 4th Tuesday	24	638	107	27
Hoole	Weekly	Tuesday	13	448	143	34
Hoole	Monthly	1st Thurs- day	3	8	5	3
(Toddlers')						
Hoylake	Weekly	Thursday	53	2827	614	53
Huntington	Fortnightly	2nd and 4th Wednesday	24	376	153	16
Hyde	Twice weekly	Mon. & Fri.	97	2966	528	31
(Bayley Hall)						
Hyde	Twice weekly	Wed. & Thurs.	104	4898	682	47
(Parsonage St.)						

LIST OF INFANT WELFARE CENTRES, 1954—*Contd.*

Centre	Frequency	Day	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Irby	Fortnightly	Monday	48	1733	376	36
Kelsall	Fortnightly	1st and 3rd Tuesday	24	513	136	21
Kingsley	Fortnightly	2nd & 4th Wednesday	24	291	148	12
Knutsford	Fortnightly	Wednesday	26	1113	456	43
Lower Peover	Fortnightly	2nd and 4th Monday	23	426	130	19
Lymm	Weekly	Tuesday	51	2290	644	45
Lymm (Toddlers')	Fortnightly	2nd and 4th Wednesday	15	133	121	9
Macclesfield (Bridge St.)	Twice weekly	Mon. & Fri.	96	2744	811	29
Macclesfield (Bridge St. Toddlers')	Weekly	Tuesday	52	1002	204	19
Macclesfield (Heyes Hall)	Weekly	Wednesday	11	296	63	27
Macclesfield (Hurdsfield House)	Weekly	Thursday	51	2227	532	44
Macclesfield (Hurdsfield House Toddlers')	Monthly	1st Tues.	36	741	385	21
Macclesfield (Sanders Sq.)	Weekly	Friday	50	1315	350	26
Macclesfield (Sanders Sq. Toddlers')	Weekly	Thursday	52	680	390	13
Malpas	Fortnightly	1st and 3rd Monday	22	236	98	11
Marple	Weekly	Wednesday	51	3550	594	70
Marple Bridge	Fortnightly	2nd and 4th Thursday	24	897	254	37
Mellor	Fortnightly	1st and 3rd Thursday	24	675	262	28
Middlewich	Weekly	Monday	48	1180	537	25
Mobberley	Fortnightly	Tuesday	26	552	299	21
Moulton	Monthly	3rd Wed.	11	356	184	32
Mow Cop	Fortnightly	1st and 3rd Wednesday	24	348	322	15
Nantwich	Weekly	Thursday	51	1536	205	30
Neston	Weekly	Thursday	51	3416	337	67
Northwich (Darland House)	Weekly	Tuesday	51	1302	532	26
Northwich (Parkfield)	Weekly	Thursday	51	1813	871	35
Over Peover	Fortnightly	1st and 3rd Monday	21	262	113	12
Partington	Fortnightly	1st and 3rd Thursday	24	704	158	29
Poynton	Fortnightly	1st and 3rd Thursday	24	1644	384	69
Prestbury (at Bollington)	Fortnightly	1st and 3rd Wednesday	24	221	102	10

LIST OF INFANT WELFARE CENTRES, 1954—*Contd.*

Centre	Frequency	Day	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Rainow (at Bollington)	Fortnightly	1st and 3rd Wednesday	23	250	81	11
Rode Heath	Fortnightly	1st and 3rd Monday	24	208	193	9
Romiley	Weekly	Thursday	50	1428	615	29
Runcorn	Twice weekly	Wednesday a.m. & p.m.	104	2890	1107	28
Runcorn (Toddlers')	Monthly	1st Monday	11	82	71	7
Sale (Chapel Road)	Twice weekly	Tuesday & Thursday	128	5254	1473	41
Sale (Chapel Road Toddlers')	Monthly	2nd Wed- nesday	12	112	67	9
Sale (Raglan Road)	Fortnightly	1st and 3rd Tuesday	24	1407	381	59
Sale Moor	Weekly	Thursday	50	1894	663	38
Sandbach	Weekly	Tuesday	52	2384	1057	46
Sandiway	Fortnightly	1st and 3rd Tuesday	24	1140	189	48
Saughall	Fortnightly	1st, 3rd & 5th Monday	28	778	219	28
Scholar Green	Fortnightly	2nd and 4th Wednesday	24	523	271	22
Shavington	Fortnightly	2nd and 4th Tuesday	24	847	265	35
Stalybridge (Mechanics' Institute)	Twice weekly	Tuesday & Wednesday	99	4702	1846	47
Stalybridge (Millbrook)	Fortnightly	1st and 3rd Monday	45	1637	595	36
Stockton Heath	Weekly	Monday	48	1247	350	26
Sutton	Fortnightly	2nd and 4th Wednesday	24	437	131	18
Tarporley	Fortnightly	2nd and 4th Thursday	24	730	199	30
Tarvin	Fortnightly	2nd and 4th Wednesday	24	274	66	11
Tattenhall	Fortnightly	2nd and 4th Monday	26	298	127	11
Tintwistle	Fortnightly	2nd & 4th Thursday	24	587	130	24
Upton	Weekly	Thursday	50	1363	490	27
Weaverham	Fortnightly	Tuesday	52	3146	616	61
West Kirby	Weekly	Friday	51	2513	603	49
Willaston (Wirral)	Fortnightly	1st and 3rd Friday	24	472	169	20
Wilmslow	Weekly	Thursday	50	1475	440	30
Winsford	Weekly	Friday	51	1890	698	37
Winsford (Toddlers')	Monthly	1st Thurs.	12	228	123	19
Wistaston (Willaston)	Fortnightly	2nd and 4th Wed.	24	418	112	17

Nursing and Maternity Homes

The County Council is the registration Authority for private Nursing and Maternity Homes under Sections 187 to 194 of the Public Health Act, 1936, for the whole County, and the following details show the position for the year ended 31st December, 1954:—

No. on Register, 31/12/54	.....	.....	32
No. of inspections during 1954	.....	.....	37
No. of new homes registered in 1954	.....	.....	1

Homes for Old People, etc.

The regulations for registration and inspection of voluntary homes for old people, etc., namely the National Assistance (Registration of Homes) Regulations, 1949, are administered by the County Health Department, and the position for the year ended 31st December, 1954, is shown below:—

No. on Register, 31/12/54	.....	.....	17
No. of inspections during 1954	.....	.....	24
No. of new homes registered in 1954	.....	.....	1

Section VII.-Midwifery

General

A summary of the numbers involved is given below, further details on pp. 26-27, and general information, relating both to district nurses who practise midwifery and to those who do not, in Section XI.

Number of Midwives in Practice

There were 322 midwives who notified their intention to practise in the County Area during 1954:—

County Midwives	61
District Nurse Midwives	105
Independent Midwives	27
Practising in Private Nursing Homes	18
Practising in Institutions	111

Inspection of Midwives

Visits paid by Senior Medical Officer	155
Lectures to midwives and pupils	15

Visits paid by Non-Medical Supervisor of Midwives:—

Inspection of County Midwives	162
Inspection of Independent Midwives	6
Statutory supervision of District Nurse Midwives	80
Special visits to Midwives	105
Visits to pupil Midwives	14
Lectures to pupils and Midwives	8

Cases visited:—

Labours	10
Nursings	111
Ante-natal	78
Post- natal	6

Cases attended by County Midwives and District Nurse Midwives on County Council Staff

	<i>Deliveries (live and still)</i>		<i>Stillbirths included in Cols. a & b</i>	<i>Miscarriages</i>
	<i>Col. a as midwives</i>	<i>Col. b as maternity nurses</i>		
Midwives	1,576	588	33	72
District Nurse Midwives	953	517	26	108
Total	2,529	1,105	59	180

Number of patients attended by midwives following early discharge from Hospital 2728

Notifications received (Central Midwives Board Rules)

Medical Aid	1210
Stillbirths	97
Laying out the Dead	36
Source of Infection	108
Artificial Feeding	919
Deaths in the Practice	51

Gas and Air Analgesia

(a) Number of domiciliary midwives practising in area 31/12/54, who were qualified to administer gas and air analgesia	156
(b) Number of sets of apparatus in use by above, 31/12/54	152
(c) Number of cases in which gas and air was so administered, 1954	2708

Pethidine

Number of cases in which pethidine was administered by
domiciliary midwives during 1954:—

(a) When Doctor was not present	1144
(b) When Doctor was present	563

Section VIII.-Food and Drugs Acts

Milk (Special Designations) (Pasteurised and Sterilised Milk) Regulations, 1949

The safeguarding of milk supplies to the general public under the above regulations includes the licensing and supervision of twenty-eight milk processing dairies in the administrative county. Eleven of these are large premises owned by important dairy firms with outputs of 5,000 to 30,000 gallons per day. Seventeen are medium sized or small dairies with outputs of 150 to 800 gallons per day. Fifteen dairies are equipped with plate type heat exchange pasteurising plant fitted with a mechanical safety device which rejects under-pasteurised milk. This is diverted back to the reception point for re-pasteurisation. Twelve dairies are equipped with the batch or holder pasteurising plant. Large dairies at Calveley, Hyde and Macclesfield are equipped with milk sterilising plant.

Samples of processed milk are collected three times weekly from each dairy for examination in the laboratory of the Public Health Department. Occasional samples are also collected on Sunday. Frequent tests are also carried out on washed milk bottles to check the efficiency of bottle washing machines. Unsatisfactory samples of processed milk are becoming less frequent than in former years—1.8 per cent in 1954—indicating improved technique on the part of plant operators. The majority of unsatisfactory samples came from the batch or holder type of plant.

At one dairy unsatisfactory samples of processed milk were fairly frequent until the plant operator was awarded a weekly bonus for producing satisfactory results. He is now keenly interested in the weekly laboratory reports, which are posted to each processing dairy.

During the year one new dairy at Sale was licensed following structural alterations and installation of plant. The supervision of this dairy passed to Sale Borough Council which has become a separate Food and Drugs Authority on 1st October.

As a result of an informal representation the owner of a small and congested dairy at Hale has purchased a large disused bakery which is in course of reconstruction for use as a milk processing dairy.

There are indications that the dairy trade is becoming interested in flavoured milk—milk to which fruit flavouring essence is added. Two applications were received from dairymen for permission to prepare and bottle flavoured milk, using their existing dairy and plant. This was considered undesirable and the applications were refused.

REPORT ON SAMPLES OF WASHED BOTTLES COLLECTED FROM MILK PROCESSING DAIRIES

1954	Satis- factory	Fairly Satis- factory	Unsatis- factory	Coliform Bacilli Negative	Coliform Bacilli Positive	Total No. of Examin- ations made
January	369	—	4	373	—	746
February	356	4	3	363	—	726
March	457	6	2	465	—	930
April	379	7	4	390	—	780
May	418	3	3	423	1	848
June	409	1	3	413	—	826
July	426	—	3	429	—	858
August	405	—	5	410	—	820
September	430	1	—	431	—	862
October	412	—	6	418	—	836
November	400	—	4	403	1	808
December	308	1	3	312	—	624
Total	4,769	23	40	4,830	2	9,664
1953 March— December (incl)	3,377	37	76	3,486	4	6,980

Interpretation of results:—

<i>Colony count per bottle.</i>	<i>Classification.</i>
Not more than 200	Satisfactory
200 to 600	Fairly satisfactory
Over 600	Unsatisfactory

Tuberculous Milk

In connection with the ascertainment of tuberculous milk, 2897 samples were taken at farms by the County Sampling Officers during 1954, of which 137 proved to be positive.

Co-operation with the Ministry of Agriculture and with local Sanitary Authorities has continued, so as to ensure that the high standard of milk production in Cheshire shall be maintained and improved.

County Public Health Laboratory

The following tables show the work of the County Laboratory during 1954 in comparison with previous years.

Total number of examinations made during the year 1954—

	<i>Pos.</i>	<i>Neg.</i>	<i>Total</i>
Milks :			
Cultures for Coliform bacilli	24	4081	4105
	<i>Failed</i>	<i>Passed</i>	<i>Total</i>
Aschaffenburg and Mullen Test (Pasteurised milks)	27	4078	4105
Phosphatase test (Kay-Graham) (Pasteurised milks)	27	4078	4105
Clot on boiling test	—	4627	4627
Reductase test	2	4098	4100
Turbidity test (sterilised milks)	—	522	522
Plate counts	—	—	1400
Washed Bottles	—	—	9664
Total examinations made of all specimens			32628

Milk Specimens examined 1945-54

Year	Clot on Boiling Test	Reductase Test	Coliform Test	Pasteurised Milk		Plate Count	Turbidity Test for Sterilised Milk	Total Examination
				Phosphatase Test (Kay-Graham)	Aschaffenburg Test			
1945		12726	9381	219		138		22464
1946		13529	10303	317		7		24156
1947		12682	10167	373		2		23224
1948		13330	11128	447		8		24913
1949		9400	6764	530		1		16695
1950		1121		1201			51	2373
1951	3451	3443	3238	3454	1459		134	15179
1952	3924	3830	3858	3858	3858	1089	156	20573
1953	4304	3929	3948	3948	3948	1322	356	21755
1954	4627	4100	4105	4105	4105	1400	522	22964

Samples for Analysis

The Chief Inspector of Weights and Measures, Food and Drugs, etc., (Mr. Stacey Hallard) reports as follows on the work of his Department in relation to the administration of the Food and Drugs Act, 1938, so far as it relates to the adulteration of food or drugs.

During the year under review the official figures relating to the 1951 census were published and as a result certain changes took place in respect of the Authorities responsible for the administration of the Food and Drugs Act, 1938. In this connection it should be pointed out that the right of a non-county borough or urban district council to be a "Food and Drugs Authority" is based on the population of its area according to the last published census. Where, on the publication of the census figures, it is shown that a non-county borough or urban district has a population of forty thousand or upwards such area automatically becomes a Food and Drugs Authority unless the Minister of Health directs that the County Council shall continue to administer the Act. In the case of Sale and Bebington both areas proved to be over forty thousand population according to the 1951 census figures and although the County Council made application to the Minister to be allowed to continue food and drugs administration within these Boroughs the Minister decided they should each become a Food and Drugs Authority.

This means that at the end of 1954 the County Council was the Food and Drugs Authority for the whole administrative County of Chester excepting the Municipal Boroughs of Bebington, Crewe and Sale. Crewe in fact, has been a Food and Drugs Authority since 1st October, 1939, Sale took over the duties on 1st October, 1954, and Bebington will do so on the 1st April, 1955.

The duties carried out by officers of the Weights and Measures Department in the area for which the County Council is responsible consist largely in obtaining samples of foods or drugs at shops, markets, dairies, farms or any place where such articles are exposed for sale to the public. The samples are later submitted to the County Analyst, (J. G. Sherratt, Esq., B.Sc., F.R.I.C.) for analysis as to compositional quality and any subsequent action taken is based on the result of his findings.

Although most of this sampling is essentially of a routine character, many samples are taken and proceedings instituted as the direct result of "information received" from householders and Dairy Companies concerning the activities of certain unscrupulous traders. All such complaints are carefully investigated and one must express thanks to these public spirited persons for bringing such matters to the notice of the Department whether or not their suspicions turned out to be well founded.

Regarding details of the work—2106 samples were analysed during 1954 comprising 1367 milks and 739 other articles of food or drugs. Of these, 47 milks and 17 other samples were reported to be either of non-standard quality from a compositional point of view or failed to conform with the law in respect of certain Statutory labelling requirements. The following list shows the number and variety of samples obtained and from this will be gathered some idea of the articles which are more prone to be adversely reported upon.

<i>Article</i>	<i>Total Analysed</i>	<i>Samples certified as adulterated or otherwise not in order</i>
Boric Acid Powder	5	1
Brandy	1	—
Camphorated Oil	6	1
Epsom Salts	7	1
Gin	3	—
Glucose Lozenges	3	1
Ice Cream	28	2
Ice Lollies	13	—
Iodine (Tincture of)	3	1
Milk	1367	47
Oranges (Spanish)	5	1
Quinine with Cinnamon (Amm. tinc. of)	2	2
Rum	8	—
Salt (Non-toxic)	1	1
Pork Sausage	4	—
Beef Sausage	15	2
Sponge Pudding Mixture	1	1
Sugar	6	1
Sweets (Butter Sweets)	7	2
Whisky	17	—
B.P. official preparations, simple household medicaments, etc.	150	—
Miscellaneous groceries and un- classified articles	454	—
	2106	64

In considering the non-standard samples in more detail it is convenient to deal in the first place with milks. Most outstanding in this connection is the great improvement in the position generally when compared with the previous year,—this can be seen at a glance by the following comparative figures:—

	1953	1954
Number of non-standard milks	89	47
Number of milk samples containing extraneous water	24	13
Number of milk samples deficient in fat	42	22
Number of milk samples deficient in non-fatty solids	23	11

This welcome all round reduction is further reflected in the fact that it was only necessary to institute legal proceedings in 9 instances as against 22 during the previous year.

Regarding the individual amounts of extraneous water found in the various milk samples these ranged from 1.1 per cent. to as much as 22.6 per cent.

This latter figure concerned a series of samples taken at a farm as the result of a complaint from a Dairy Company about the quality of the milk a certain farmer was sending to them. Having ascertained the time of collection, an Inspector waited some distance from the suspected farm until he saw the Dairy Company's lorry enter the yard. He immediately followed and found the driver had drawn up alongside six churns and was about to load them on to his vehicle. The Inspector intervened, announced his office to the farmer, and took a sample from each churn, three of morning's milk and three of evening's. These samples were submitted to the County Analyst for analysis and the preliminary test disclosed the presence of extraneous water. Accordingly the Inspector visited the farm next day at milking times (5-15 a.m. and 5-15 p.m.) and after supervising the whole process of milking took "appeal to cow" samples.

On completion of the evening milking the Inspector found that the total yield of milk for the day was 49 gallons whereas the previous day the farmer had consigned $63\frac{1}{2}$ gallons to the Dairy Company! It was not surprising, therefore, to find that the original samples from the six churns were certified by the County Analyst as containing extraneous water in amounts ranging from 15.5 to 22.6 per cent. The "appeal" samples were certified as *genuine* although they were, in fact, slightly below the standard.

In view of this very serious adulteration legal proceedings were instituted and as two people were jointly responsible for the farm it was necessary to issue one summons against each partner in respect of each churn. The County Council's solicitor appeared for the prosecution and pointed out to the Magistrates the very serious nature of the offence and that the Weights and Measures Committee had, within recent years, expressed concern over the inadequate penalties imposed in such cases. He asked the Magistrates to bear in mind the probability that the offence had continued for some time

before coming to the notice of the Inspector. The Justices found the offences proved and fined each of the two defendants £1 in respect of each of the six churns and ordered them to pay £8 8 0 costs, *i.e.*, the Analyst's fees.

No other really serious case of added water in milk came to light but for the first time it was found necessary to institute proceedings in connection with the sale of a bottle of school milk which contained fragments of glass. The milk in question was not submitted for analysis and therefore is not included in the above summary. Brief particulars are that whilst in her class a ten year old school girl drinking milk through a straw found that she had sucked up some small splinters of glass into her mouth. In accordance with routine practice the Headmaster immediately informed me of the fact and the matter was investigated. In view of the amount of broken glass subsequently recovered from the milk in the bottle, and the fact that the bottle itself was not fractured in any way, legal proceedings were instituted against the seller. At the subsequent hearing the Magistrates imposed a penalty of £5.

It may here be noted that many instances of glass in school milk have recently been investigated but in the vast majority of cases it was found that the bottle rim was chipped. In such instances it was impossible to say that the splinters of glass were in the bottle when it left the bottler's premises and therefore it was inadvisable to prosecute the seller. In cases like these a visit was paid to the Dairy premises where every detail of the bottling procedure was investigated in the presence of the Management.

One remaining case of milk was so unusual that it deserves special mention,—this concerned the retail sale of a sample of milk which was found to contain boron preservative. The seller was prosecuted and fined £10 and £3 3 0 costs. It is remarkable to find that in the whole history of the Department only three cases of a like nature have previously been discovered and, in fact, the last instance was nearly 30 years ago.

With regard to samples other than milk, out of 739 obtained only 17 failed to reach the legal or recognised standard of quality. A brief summary of all these non-standard samples is given below, the analysis is shown in parenthesis.

1 Epsom Salts (Sodium Borate (Borax) 100%). This was an ordinary domestic purchase by the wife of a local Sanitary Inspector. The label of the packet bore the words "Epsom Salts" in bold print and in smaller type the name and address of a well known firm of packers. The woman, being dissatisfied with the taste, complained to this office and the packet on analysis proved to be pure Borax! An exhaustive investigation by the packers failed to find any reason why the wrong label has been attached and as the trouble was obviously due to carelessness they were subsequently cautioned.

- 2 **Sponge Pudding Mixture**, (Infested with flour weevil and unfit for human consumption.) The local Sanitary Inspector was immediately informed so that remaining stock in the grocer's shop could be condemned.
- 3 **Iodine, Tincture of**, (18% deficient in iodine.) Sample was purchased at a small grocer's shop. Investigation disclosed that bottle had been in stock many years. Accordingly the seller was cautioned and remainder of stock withdrawn from sale.
- 4 **Pork Sausage**, (23% deficient in meat.) Retail sale at butcher's shop. As there is now no legal standard for sausage it was inadvisable to do other than caution seller.
- 5 **Boracic Acid Powder B.P.** (Contained 0.9% less H_3BO_3 than the minimum specified by the B.P.) Owing to small deficiency the manufacturer was cautioned.
- 6 **Sweets—Butter Mints**, (Deficient in butter fat.) If the word "butter" or a synonym is used without qualification in the description of sugar confectionery the butter fat content of the product must be not less than 4 per cent. Manufacturer cautioned.
- 7 **Glucose Lozenges**, (Deficient in Vitamin C.) Vitamin C found in article was less than the amount declared on the label. As a result of cautionary letter to manufacturer they are now declaring a lower figure of Vitamin content to allow for loss in storage.
- 8 **Buttered Ginger Sweets**, (Sweets deficient in butter fat.) The same remarks apply as shown under No. 6 above. Seller cautioned.
- 9 **Salt (non-toxic.)** (Prepared table salt, the label of which does not conform to the requirements of the labelling of Food Order, 1953.) The label of this article claimed the presence of phosphorus (as magnesium phosphate), iodine and iron but it did not specify the minimum quantities of each as required. Full particulars were sent to the Food and Drugs Inspector of the area in which the article was manufactured and as a result of his representations a new and correct label is now being used.
- 10 **Ammoniated Tincture of Quinine**, (Deficient in ammonia and containing an excess of Quinine.) The unsatisfactory nature of this article was probably due to the volatility of the ammonia. Manufacturer cautioned.
- 11 **Oranges, Spanish**, (Oranges containing preservative (Thiourea) to the extent of 20 p.p.m. in the expressed juice of the oranges.) Contravention of Public Health (Preservatives, etc., in Food) Regulations 1925-1948. This was an *informal* sample taken as a result of a circular letter from the Ministry of Food drawing attention to the possible use by orange growers of thiourea preservative, or of fungicides containing thiourea, as a rot and mould suppressant. Following receipt of the analysis, attempts were

made to obtain a corresponding *formal* sample with a view to legal proceedings but such a course was not possible as Spanish oranges were by then "off the market". In view of this the sellers were cautioned. It is understood that as a result of prosecution elsewhere in this country the Spanish Government has taken steps to stop the use of thiourca in spraying orange crops.

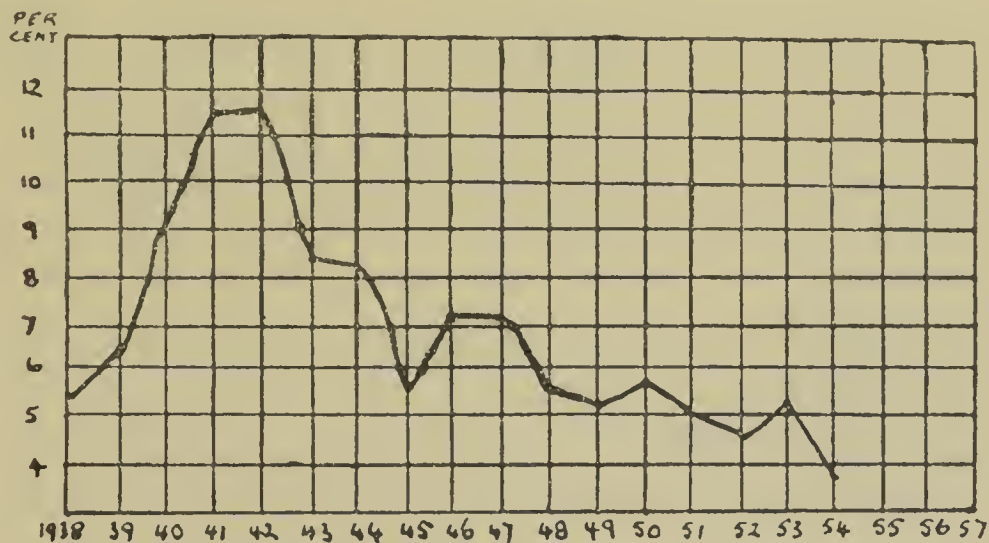
- 12 **Ice Cream**, (46% deficient in fat). This was an informal sample. See corresponding formal sample No. 13 below
- 13 **Ice Cream**, (10% deficient in fat). This formal sample was a "follow up" in connection with No. 12 and was purchased from the same seller with a view to prosecution. As the deficiency was found to be so much less than the original sample, the seller was cautioned.
- 14 **Sugar**, (Contained 12.3% salt.) Private householder complained about the salty taste of the sugar she had purchased at a shop. She admitted the sugar had been in her house for about five weeks and that she was not really certain at which of two shops it might have been purchased. Official samples were subsequently purchased at *each* shop but they proved to be genuine.
- 15 **Camphorated Oil**, (Deficient in camphor to the extent of 5.2%). Purchased from a chemist's shop. Manufacturer was cautioned and remaining stock withdrawn from sale.
- 16 **Ammoniated tincture of Quinine with oil of cinnamon**. (Deficient in ammonia to the extent of 28% and deficient in alcohol to the extent of 70 per cent.) The County Analyst stated on his certificate that the "Unsatisfactory condition of sample is caused by evaporation of volatile components." As it was highly probable that this evaporation took place during manufacture, the manufacturer was cautioned.
- 17 **Sausage, Pork**, (Contained 416 parts per million of undeclared preservative—Sulphur Dioxide.) Sample purchased from a butcher's shop and as no declaration showing the presence of preservative appeared either on a label affixed to the sausage or by notice displayed in the shop, the seller was prosecuted. The decision of the Justices was "absolute discharge on payment of £1 15 0 costs."

To sum up the whole position with regard to the year's sampling it is with the greatest pleasure that one records that only 3.03 per cent. of all samples analysed were certified as non-standard. This exceptionally low figure is the best since before the war as will be clearly seen at a glance at the graph below.

I cannot conclude this report without reference to the death, which occurred on the 17th April, 1954, of your then County Analyst (S. E. Melling, Esq., M.Sc., F.R.I.C.) He was appointed to the position of Public Analyst for Cheshire over 40 years ago and despite

indifferent health during the last few years, he carried out his duties to the very end. In fact he personally wrote his last report to the Weights and Measures, Food and Drugs Act Committee only a few days before his death. Mr. Melling undoubtedly rendered a great service to the County as a whole and to the Weights and Measures Department in particular.

The County Council has since appointed J. G. Sherratt, Esq., B.Sc., F.R.I.C. to succeed Mr. Melling as County Analyst.



Section IX. Mental Health

PART I. MENTAL ILLNESS

TABLE I.

The following table shows the number of people suffering from mental illness admitted to hospital during the period 1st January to 31st December, 1954.

HOSPITAL	Mental Treatment Act, 1930		Lunacy Act, 1890						TOTALS			
	s. 1 (Vol.)	s. 5 (Temp.)	s. 20 (3 Day)	s. 21 (14 Day)	s. 16 (Certi- fied)							
<i>Liverpool Region</i> (Population 251,330)	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Deva, Chester	56	91	3	1	2	11	14	21	29	36	104	160
Winwick, Warrington	8	10	—	—	1	1	2	5	7	2	18	18
Ormskirk, Lancs.	—	—	—	—	—	1	—	1	—	—	—	2
St. Catherine's, Birkenhead	3	1	—	—	19	9	21	31	4	—	47	41
Whiston, Lancs.	—	—	—	—	—	—	1	6	—	—	1	6
Sefton General, Liverpool	—	—	—	—	—	3	1	3	—	—	1	6
Haydock Lodge, Haydock	—	—	—	—	—	—	—	—	—	2	—	2
	67	102	3	1	22	25	39	67	40	40	171	235
<i>Manchester Region</i> (Population 580,070)												
Parkside, Macclesfield	50	41	—	1	21	25	42	67	47	68	160	202
Prestwich, Manchester	—	—	—	—	—	—	—	—	1	1	1	1
Patricroft, Lancs.	—	—	—	—	—	—	—	—	1	—	1	—
Barony, Nantwich	—	—	—	—	—	—	5	1	7	9	12	10
St. Thomas, Stockport	2	1	—	—	3	—	16	10	8	9	29	20
Lake, Ashton-u-Lyne	—	1	—	—	—	—	—	1	—	3	—	5
Ollersett, New Mills	—	—	—	—	—	—	—	—	—	3	—	3
Crumpsall, Manchester	—	—	—	—	1	—	—	—	2	—	3	—
	52	43	—	1	25	25	63	79	66	93	206	241
<i>Others</i>												
Cheadle Royal, Cheshire	1	3	1	—	—	—	—	—	5	5	7	8
Provincial	—	—	—	—	—	—	—	—	2	—	2	—
	1	3	1	—	—	—	—	—	7	5	9	8
Totals	120	148	4	2	47	50	102	146	113	138	386	484
Combined Totals	268	6	97	248	251	870						
Corresponding Period 1953	227	8	75	208	279	797						

TABLE II.

Source of Notification of Cases of Mental Illness.

DISTRICT.	No. of Admissions	Family Doctor	Hospital Doctor	Out-Patient Clinic	Relatives	Police	Divisional M.O.	Patient	Adjacent Authority	Total Notifications	Referred to Out-Patient Clinic
<i>Liverpool Region</i>											
1. Wirral	191	96	67	65	6	3	2	—	5	244	16
2. West Cheshire	112	53	39	32	3	5	1	—	1	134	5
3. Runcorn	94	60	8	26	4	6	—	—	1	105	1
	397	209	114	123	13	14	3	—	7	483	22
<i>Manchester Region</i>											
4. Mid-Cheshire	50	53	11	1	8	10	3	—	7	93	10
5. Nantwich	34	59	15	—	5	7	2	—	2	90	25
6. Crewe & Sandbach	56	55	3	—	7	11	2	2	1	81	13
7. Altrincham & Sale	46	49	6	—	1	5	3	1	—	65	5
8. Bucklow & Wilmslow	48	31	16	1	3	2	—	2	—	55	—
9. Macclesfield & Congleton	116	104	48	—	5	9	2	—	6	174	21
10. North-East	46	69	30	6	—	7	6	—	2	120	5
11. Hyde & Stalybridge	77	161	8	3	11	13	1	1	3	201	18
	473	581	137	11	40	64	19	6	21	879	197
TOTAL	870	790	251	134	53	78	22	6	28	1362	219
Discharged during period 1/1/54 to 31/12/54											
Died					—	663					
"					—	102					
"					—	765					

General

The noticeable increase in cases admitted during the year under review is accountable to Voluntary admissions, *i.e.*, persons referred from Clinics, and the family doctor, and to admission on a Short Order. 'This latter Justices' Order secures the admission, on medical recommendation, of non-co-operative patients, the majority of whom become voluntary patients at the expiration of the 14 days or the extended 14 days. Legal certification has become the last resort for enforcement of treatment.

The Out-patients Clinics maintained by the respective Regional Hospital Boards are situated as follows:—

Liverpool	Manchester
Royal Infirmary, Chester	Lake Hospital, Ashton-u-Lyne
Cottage Hospital, Ellesmere Port	Stepping Hill Hospital, Stockport
Victoria Hospital, Runcorn	Rosemount, Macclesfield
Clatterbridge Hospital, Wirral	
St. Catherine's Hospital, Birkenhead	

Admissions

The undermentioned information, extracted from the Deva Hospital returns, conveys in retrospect (a) the nature of mental illness prevalent during the year, (b) the period of hospitalisation, and the prospect of a resumption of the patient's former normal life.

<i>Nature of Illness</i>	<i>Males</i>	<i>Nature of Illness</i>	<i>Females</i>
Depression	29	Depression	74
Anxiety State	4	Depression Menopausal	5
Melancholia	1	Depression Reactive Hysteria	5
Schizophrenia	11	Neurosis Obsessional	
Senile Dementia	1	Ruminative	2
Psychopathic Personality	6	Anxiety Neurosis	6
Epilepsy	3	Melancholia	3
Mania	4	Hysteria	6
Asthma	1	Manic Depressive State	1
Confusional State	2	Schizophrenia	17
Obsessive Psychoneurosis	1	Mania	4
Paraphrenia	2	Paranoid State Menopausal	3
Hypochondriasis	1	Epilepsy	2
Psychosthernia	1	Hypochondriasis	3
Not stated	4	Senile Dementia	2
		Confusional State	4
		Obsessional State	2
		Paraphrenia	3
		Not stated	7
	71		149

Of the foregoing discharge of patients, the status and conditions were as follows:—

	<i>Status</i>	<i>Recovered</i>	<i>Relieved</i>	<i>Not Improved</i>
<i>Males</i>				
	62 Voluntary	26	29	7
	9 Certified	5	2	2
	<hr/> 71	<hr/> 31	<hr/> 31	<hr/> 9
	<hr/>	<hr/>	<hr/>	<hr/>
<i>Females</i>				
	108 Voluntary	59	37	12
	41 Certified	26	12	3
	<hr/> 149	<hr/> 85	<hr/> 49	<hr/> 15
	<hr/>	<hr/>	<hr/>	<hr/>

The periods spent in hospital, prior to discharge, are as under:—

		<div>Over</div> <div> <div>Under</div> <div>1—3</div> <div>3—6</div> <div>6—9</div> <div>9—12</div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> </div> <div>1 mth. mths. mths. mths. mths. yr. yrs. yrs. yrs.</div>								
<i>Males</i>										
Voluntary	62	28	25	8	1	—	—	—	—	—
Certified	9	3	4	1	1	—	—	—	—	—
	<hr/> 71	<hr/> 31	<hr/> 29	<hr/> 9	<hr/> 2	<hr/> —	<hr/> —	<hr/> —	<hr/> —	<hr/> —
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
<i>Females</i>										
Voluntary	108	35	44	21	4	1	2	—	1	—
Certified	41	—	11	15	7	—	2	2	2	2
	<hr/> 149	<hr/> 35	<hr/> 55	<hr/> 36	<hr/> 11	<hr/> 1	<hr/> 4	<hr/> 2	<hr/> 3	<hr/> 2
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>

After-Care

The number of cases referred to the Department for after-care visitation on discharge from hospital during the year were Deva 61 cases, Parkside 1 case, Winwick 48 cases. Domiciliary visits have been made by Health Visitors and Authorised Officers in the Liverpool Regional Hospital Board’s area. Discharged patients in the Manchester Regional Hospital Board’s area have been supervised by the Hospital Psychiatric Social Workers.

Records

The number of patients admitted from the Administrative County and receiving treatment at the respective hospitals, as extracted from the weekly reports of Authorised Officers, and the statutory returns issued by Hospital Management Committees, are as follows:—

<i>Hospital</i>	Patients at 31/12/54		Patients at 31/12/53		Patients at 31/12/52	
	<i>Men</i>	<i>Women</i>	<i>Men</i>	<i>Women</i>	<i>Men</i>	<i>Women</i>
Deva	310	486	292	500	295	484
Parkside	677	807	659	791	548	667
Stockport	53	46	47	41	33	40
Ashton	11	23	11	19	11	11
Nantwich	25	46	15	40	15	41
Others	254	233	228	273	184	218
	<u>1,330</u>	<u>1,601</u>	<u>1,252</u>	<u>1,664</u>	<u>1,086</u>	<u>1,461</u>

PART II. MENTAL DEFICIENCY

The following table gives particulars of the cases reported during 1954 and their disposal together with a classification of some special categories:—

	During 1954				Total cases on Authority's registers as at 1/1/1955			
	Under age 16		Aged 16 and over		Under age 16		Aged 16 and over	
	M.	F.	M.	F.	M.	F.	M.	F.
1. <i>Particulars of Cases reported during 1954—</i>								
(a) Cases at 31st December ascertained to be defectives "subject to be dealt with"								
Action taken on reports by:—								
(i) Local Education Authorities on children								
(1) While at school or liable to attend school	32	31	—	—	—	—	—	—
(2) On leaving special schools	9	2	—	—	—	—	—	—
(3) On leaving ordinary schools	—	—	—	—	—	—	—	—
(ii) Police or by Courts	—	—	1	—	—	—	—	—
(iii) Other sources	—	—	—	1	—	—	—	—
(b) Cases reported but not regarded at 31st December as defectives "subject to be dealt with" on any ground	4	3	1	1	—	—	—	—
(c) Cases reported but not confirmed as defectives by 31st December and thus excluded from (a) or (b)	4	8	—	—	—	—	—	—
Total number of cases reported during the year	49	44	2	2	—	—	—	—

		Total cases on Authority's Registers as at During 1954 1st January, 1955					
		Under 16		Aged 16 and over		Under 16	
		age 16		and over		age 16	
		M.	F.	M.	F.	M.	F.
2. Disposal of Cases							
(a) Of the cases ascertained to be defectives "subject to be dealt with" number							
(i) Placed under Statutory Supervision							
		41	33	—	—	223	166
(ii) Placed under Guardianship							
		—	—	—	—	—	—
(iii) Taken to "Places of Safety"							
		—	—	—	—	2	9
(iv) Admitted to Hospitals							
		—	—	1	1	42	39
(b) Of the cases not ascertained to be defectives "subject to be dealt with" number							
(i) Placed under Voluntary Supervision							
		4	3	1	1	4	3
(ii) Action unnecessary							
		—	—	—	—	—	—
Total of Item 2		45	36	2	2	271	217

3. Classification of defectives in the Community on 1/1/55

(a) Cases included in Item 2 (a) (i) to (iii) above in need of hospital care and reported accordingly to the hospital authority:—

(1) In urgent need of hospital care:—

(i) "cot and chair" cases	—	—	—	—	14	8	2	2
(ii) ambulant low grade cases	—	—	—	—	15	5	6	—
(iii) medium grade cases	—	—	—	—	11	3	7	7
(iv) high grade cases	—	—	—	—	—	—	2	2

(2) Not in urgent need of hospital care:—

(i) "cot and chair" cases	—	—	—	—	3	5	1	—
(ii) ambulant low grade cases	—	—	—	—	2	2	—	—
(iii) medium grade cases	—	—	—	—	9	—	4	3
(iv) high grade cases	—	—	—	—	1	—	6	1

Total of Item 3 (a)

—	—	—	—	55	23	28	15
---	---	---	---	----	----	----	----

	During 1954		Total cases on Authority's Registers as at 1st January, 1955			
	Under age 16	Aged 16 and over	Under age 16	Aged 16 and over		
	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
(b) Of the cases included in items 2 (a) (i) and (ii) and 2 (b) (i) overleaf, number considered suitable for:—						
(i) occupation centre	—	—	—	—	80	70 7 6
(ii) industrial centre	—	—	—	—	—	— —
(iii) home training	—	—	—	—	—	— —
Total of Item 3 (b)	—	—	—	—	80	70 7 6
(c) Of the cases included in item 3 (b) number receiving training on 1/1/55:—						
(i) in occupation centre	—	—	—	—	35	24 7 6
(ii) in industrial centre	—	—	—	—	—	— —
(iii) at home	—	—	—	—	—	— —
Total of Item 3 (c)	—	—	—	—	35	24 7 6

Institutional Accommodation

During the year 1954 vacancies were found for mentally defective persons in institutions as follows:—

Arclid Hospital	.....	.....	.....	.....	.....	1
Cranage Hall Hospital, Holmes Chapel	.....	.....	.....	.....	.....	4
Brockhall Hospital, Langho, Lancs.	.....	.....	.....	.....	.....	8
Calderstones Hospital, Whalley, Lancs.	.....	.....	.....	.....	.....	4
Mary Dendy Hospital, Alderley Edge	.....	.....	.....	.....	.....	7
Newchurch Hospital, Culcheth, Nr. Warrington	.....	.....	.....	.....	.....	1
Royal Albert Hospital, Lancaster	.....	.....	.....	.....	.....	2
The Manor, Great Sutton	.....	.....	.....	.....	.....	1

The following table shows the Institutions where patients were accommodated at the end of the year under review:—

	Under age 16		Aged 16 and over		Under age 16	Aged 16 and over	Total
	M.	F.	M.	F.	Total	Total	
Cranage Hall Hospital	18	11	134	131	29	265	294
The Manor, Gt. Sutton	—	1	—	3	1	3	4
Brockhall Hosp., Langho, Lancs.	5	17	10	19	22	29	51
Hensol Castle, Pontyclun, S. Wales	—	—	—	1	—	1	1
Brynhyfryd Hospital, Forden, S. Wales	—	—	—	1	—	1	1
Arclid Hospital, Sandbach	1	—	18	4	1	22	23
Royal Earlswood Hospital, Redhill	—	—	1	1	—	2	2
Royal Albert Hospital, Lancaster	5	1	15	7	6	22	28
Stoke Park Colony, Bristol	—	—	9	7	—	16	16
Whittington Hall Hospital, Chesterfield	—	—	—	2	—	2	2
Swinton Homes, Manchester	5	4	—	1	9	1	10
Calderstones Hospital, Lancs.	6	1	38	20	7	58	65
Mary Dendy Hospital, Alderley Edge	1	—	89	40	1	129	130
Gillibrand Hall, Chorley	—	—	—	1	—	1	1
Seafield House, Lancs.	1	—	2	—	1	2	3
St. Raphael's Colony Brentford	—	—	1	—	—	1	1
St. Mary's Home, Alton	—	—	—	1	—	1	1
Botley's Park, Chertsey	—	—	—	1	—	1	1
Totterdown Hall, Weston- super-Mare	—	—	—	1	—	1	1
Eaves Lane Hospital, Chorley	—	—	—	2	—	2	2
Brentry Colony, Bristol	—	—	3	—	—	3	3
Ashton House Hospital, Birkenhead	—	—	—	2	—	2	2
Birkenhead Mental Hospital	—	—	1	—	—	1	1
Bremham Hospital, nr. Bedford	—	—	1	—	—	1	1
Lisieux Hall, Chorley	—	—	2	—	—	2	2
Durran Hill, Carlisle	—	—	—	1	—	1	1
Newchurch Hospital, Culcheth	—	2	—	1	2	1	3
South Ockendon Hosp., Essex	—	—	—	1	—	1	1
Royal Eastern Counties Hospital, Essex	—	—	—	—	—	—	—
Milnthorpe Hospital, Milnthorpe	—	—	3	—	—	3	3
Fountain Hospital, London, S.W. 17	—	2	—	—	2	—	2
Stanley Hospital, Ulverston	—	—	—	1	—	1	1
Rampton State Institution	—	—	13	2	—	15	15
Moss Side State Institution	—	—	6	2	—	8	8
	42	39	346	253	81	599	680

Supervision

Male defectives in their own homes have continued to be supervised by Authorised Officers and female defectives by Health Visitors.

Places of Safety

At the end of the year 1954 the following numbers were detained temporarily in the institutions shown, pending permanent accommodation under the Mental Deficiency Acts:—

Whitecross Homes, Warrington	.....	.....	.....	7
Atherleigh Hospital, Leigh	.....	.....	.....	4

Occupation Centres

In May 1954 the second County Council Occupation Centre was opened in Navigation Road, Altrincham, and it was soon evident that the assistance it could give to local parents of children capable of benefiting by it was being very much appreciated.

The Centre was visited in December, 1954 by a Ministry of Health Inspector, who reported favourably on the work being done there.

On the 25th April, 1955 a third Centre was opened at 33, Great King Street, Macclesfield, and a fourth Centre was opened at the Congregational Sunday School, Gee Cross, Hyde, on 5th September, 1955. When at a later date a fifth Centre is opened in South Cheshire, it is considered that, with careful use of transport, every reasonable step will have been taken to secure an adequate service. There will still be certain defectives who, though suitable for occupation centre training, live in scattered rural districts, so that the cost of transport would be wholly excessive, and who therefore will not be accommodated at the centres.

Discharges from Order

Eighteen cases who had been on licence from Institutions were discharged from Order during the year under review.

Temporary Care

In 1954 the provision was continued of temporary care by admission to hospitals for periods of up to two months during family emergencies, especially during the summer months when permanent patients are on holiday, thus providing a temporary respite for parents of children who could not at the time be permanently accommodated.

During 1954, such temporary care was provided in eighteen cases. Another method of securing the same benefit has been the introduction of short-stay accommodation at the Orchard Dene Hostel at Rainhill of the National Association for Mental Health where similar temporary accommodation is available, subject to contribution by the parents under the provision of the Care and After-Care convalescence provisions of the National Health Service Act. Seven children were so accommodated in 1954.

General

As in previous years, reports on defectives and their home conditions have been supplied to Hospital Management Committees on a variety of occasions, e.g., for holiday leave, licensing, and at intervals

for the Statutory Visitors. Health Visitors and Authorised Officers have attended Juvenile and other Courts to give evidence in regard to alleged offences by defectives, and when necessary Medical Officers of the Department have attended to give medical evidence.

Co-operation with the Children's Department and with the Welfare Department has continued as in previous years, and help was given to other Authorities on a reciprocal basis in regard to their cases, by way of ascertainment and application for Justices' Orders.

I should like to take the opportunity of acknowledging the ready help given at all times by the Regional Hospital Boards' Bed Bureau, which has again on various occasions found prompt places for cases whose admission was an imperative urgency.

Preventive Work

It is difficult to estimate the proportion of mental illness which can be described as preventable, although certainly its incidence, not only in those forms which result in admission to Mental Hospitals, but in those milder degrees where the mental aspect appears overlaid by seemingly physical illness, is sufficient to warrant preventive action by the staff of the Public Health Department.

Authorised Officers are very well aware of the preventive side of their duties, but they only become aware of cases when treatment is required either as Mental Hospital out-patients or in-patients. The psychiatric work with the Schools Health Service is definitely of a preventive nature; every effort is made during school life to re-adjust and rehabilitate pupils showing signs of psychological disturbance. The activities projected towards the prevention of break-up of families are very important from the standpoint of mental health. Although the establishment of the Public Health Department includes psychiatric social workers, because of the shortage of this type of highly trained worker it has never been possible to make an appointment. A start has however been made by the decision to join with the Liverpool Regional Hospital Board in such an appointment with the object of introducing preventive psychiatric methods into the child welfare centres and into the domiciliary work of Health Visitors. It is hoped to make similar arrangements with the Manchester Regional Hospital Board.

So far as Mental Deficiency is concerned, the setting-up of a team for the early diagnosis and treatment of spasticity has a special importance from the preventive angle.

All these preventive activities, though gradual rather than dramatic in effect, are nevertheless of great importance, and throw additional work on the Health Visitors, who are the main field workers of the Local Health Authority's services. It will be necessary at a later date to report on the adequacy of the Health Visiting Staff.

Section X.-Domestic Help

Under Section 29 of the National Health Service Act, 1946, the County Council is empowered to provide a Domestic Help Service for households where such help is required owing to the presence of any person who is ill, lying in, an expectant mother, mentally defective, aged, or a child not over compulsory school age.

The service is one of those which have been devolved to Divisional Health Committees for organisation, administration, and management within the approved estimates. It is not one of the services provided free under the Act, and the Local Health Authority has adopted an appropriate payment scale.

Number of Domestic Helps employed at 31st December, 1954:—

(a) Whole-time, 22

(b) Part-time 357

Number of cases in which Domestic Helps were provided under the Council's Scheme during the year—

Maternity (including expectant mothers)	.....	277
Tuberculosis	.....	17
Chronic sick (including aged and infirm).....	.....	1184
Others	.....	291
		<hr/>
Total		1769
		<hr/>

Section XI.-Home Nursing

Under Section 25 of the National Health Service Act, the County Council has the duty to provide a full service for nursing sick persons at home free of charge to the patient.

Details of the nurses and nurse-midwives employed by the County Council are given earlier in this report, together with their districts.

Small nursing appliances are kept by nurses for loan to their patients; large items such as special beds, wheel chairs, spinal carriages are available at the Divisional Offices. This service forms part of the County Council's arrangements under Section 28 of the Act.

The following statistics give some idea of the scope of the service and the work done:—

(a) Number of Home Nurses at 31/12/54:—			
(1) Whole-time on General Nursing	.....	.....	45
(2) Part-time on General Nursing	.....	.....	108
(b) Equivalent whole-time home nursing service provided in (a) (2)			
	.....	.....	62
(c) Number of visits paid by Home Nurses, 1954	.....		383,598
(d) Number of cases attended by Home Nurses, 1954			25,272
(e) Number of houses owned by County Council	.....		25
(f) Number of motor vehicles owned by County Council			81
(g) Number of County-owned motor-assisted pedal cycles	.....	.....	2
(h) Number of nurses receiving County allowance for their own cars	.....	.....	59
(i) Number of telephone rentals being paid	.....	.....	131

Section XII.-Handicapped Persons

General

Under Section 29 of the National Assistance Act, 1948, the County Council provides Welfare Services for handicapped persons, and the scheme under this heading has been made the responsibility of the County Health Committee.

The classes of handicapped persons to which the section applies are the blind, the partially sighted, the deaf or dumb, and others substantially and permanently handicapped by illness, injury, congenital deformity, or such other disability as may be prescribed. Enquiry and discussion have proceeded with the various associations concerned regarding all these categories, and help has in some cases been given by the supply of materials for work at home.

Blind Persons

The Council's approved scheme so made continues, with necessary amplification, the scheme carried out in previous years in accordance with the Blind Persons Acts. Its details are executed by the Blind Welfare Societies at Chester, Ashton-under-Lyne, and Macclesfield, with which appropriate financial arrangements have been made. The Welfare Services of these Societies have, in accordance with the new scheme, been extended, so far as they are applicable, to partially sighted persons.

Certification

To ensure that no person's name is placed on the register without the certificate of a medical practitioner with special experience in ophthalmology, all applicants were examined by one of the County Ophthalmologists. Those who so wished were examined a second time under the Medical Referee Service—conducted jointly with the North Regional Association—by independent Medical Referees.

Statistics

Number of Registered Blind Persons in the County at 31st December

	1954
Under 5 years	6
5—16 years	25
16—21 years	16
21—40 years	89
40—50 years	89
50—65 years	259
65—70 years	159
70 years and over	746
Unknown age	—
Total	1389

Registered Blind Persons in County, aged over 16 years, employed, or otherwise, at 31st December, 1954—

Employed	{ in Workshops & Workrooms	21
	{ as Home workers	22
	{ variously	72
Unemployed		1234
Undergoing Training		8
At School		1

Incidence of Blindness

During the year 1954 there were 324 forms B.D.8 received for the County. These were classified as follows:—

Registered as Blind	218
Registered as Partially Sighted	98
Not Registered	8

Follow up:

(i) Number of cases registered during 1954 in respect of which para. 7 (c) of Forms B.D.8 recommended:—	Cause of Disability			
	Cataract	Glaucoma	Retrolental Fibroplasia	Others
(a) No treatment	82	9	—	77
(b) Treatment (medical surgical or optical)	72	9	1	66
(ii) Number of cases at (i) (b) above which on follow-up action have received treatment	40	5	1	44

Ophthalmia Neonatorum

- (i) Total number of cases notified during the year Nil
- (ii) Number of cases in which:—
 - (a) Vision lost Nil
 - (b) Vision impaired Nil
 - (c) Treatment continuing at end of year Nil

Workshop Employees

Annual grants were continued on the usual principles to recognised Workshops for Cheshire employees. A “minimum wage” principle has been adopted for certain workers, their income being made up to a fixed amount. On this principle there were 7 male and 3 female employees at Chester, 3 male employees at Macclesfield, 1 male employee at Warrington, 1 male employee at Stockport and 1 male employee at Liverpool at the end of 1954, while on the fixed rate system there were 2 males and 1 female at Henshaw’s.

Home Workers

The three voluntary societies arranged for the employment at home of those capable of it. Augmentation of 42/- weekly was given by the Council to all County approved Workers, who numbered 19 at the end of 1954.

National Library for the Blind

Grant and augmentation were made in 1954 to the National Library for the Blind on behalf of 2 Cheshire Home Workers who are Blind Copyists for its northern branch, apart from the usual annual grant for general services, which are used by over 100 Cheshire residents.

Other Services

The usual annual grants were continued in 1954 to the National Institute for the Blind and the North Regional Association for their respective national and regional services. An additional grant was paid to the National Institutes in respect of its services in placing blind persons in open industry from 1/4/54. Eleven persons were newly placed during 1954, one person changed employment and a total of 481 visits were made by the Institute's Officers in connexion with this service.

During the year one grant was made towards training a blind man to work with a guide dog.

Wireless Certificates

166 Certificates entitling the recipients to a free wireless licence were issued in 1954 to applicants on the register.

Deaf Persons

The County is fully covered by voluntary societies for the welfare of the deaf, and financial grants are made by the County Council to these societies, which act as authorised agents for the provision of advice and help, when desired, for the establishment of social centres, and for outings and other recreational activities. A grant is also paid to the North Regional Association for the Deaf in respect of its statistical, co-ordinating, and educational work. The numbers of Cheshire deaf persons on the registers of the Societies are approximately as follows:—

Chester	.....	.....	.....	.....	126
Manchester	.....	.....	.....	.....	178
Merseyside	.....	.....	.....	.....	48
Warrington	.....	.....	.....	.....	19
Total					<hr/> 371 <hr/>

Other Handicapped Persons

General

The registers of handicapped persons other than the blind, deaf, and dumb are kept by Divisional Medical Officers. They are limited to persons who wish to receive benefits under the approved scheme. General advice is given on overcoming their handicaps, and on how to obtain such help as is available, either under this scheme or under the hospital, local authority, or other aspects of the National Health Service. One example of help under this scheme is adaptation of premises, inside or outside, to facilitate use of an invalid chair or carriage. Assistance in handicrafts is given when possible, with the co-operation of voluntary bodies. The most prominent example of the Council's help to handicapped persons is, of course, Wrenbury Hall Colony (see Section V).

Statistics

The number of persons on the above registers were as follows at 31.12.54:—

M. of L. classification	Definition	No. on Registers		
		Children under 16	Adults	Total
A/E	Amputation	2	28	30
F	Arthritis and Rheumatism	6	104	110
G	Congenital malformations and deformities	28	56	84
H/L	Diseases of the digestive and genito-urinary systems; of the heart or circulatory system; of the respiratory system (other than tuberculosis) and of the skin	72	189	261
Q/T	Injuries of the head, face, neck, thorax, abdomen, pelvis or trunk. Injuries or diseases (other than tuberculosis) of the upper and lower limbs and of the spine	21	59	80
V	Organic nervous diseases— epilepsy, disseminated sclerosis, poliomyelitis, hemiplegia, sciatica, etc.	79	169	248
U/W	Neuroses, psychoses and other nervous and mental disorders not included in V	2	50	52
	(excluding Mental Deficiency)			
X	Tuberculosis (respiratory)	30	724	754
Y	Tuberculosis (non-respiratory)	60	96	156
Z	Diseases and injuries not specified above	91	81	172
Totals		391	1,556	1,947

Number of houses in which adaptations were carried out to enable handicapped persons to overcome their disability — 4.

Epileptics and Spastics

The number of persons on the Registers are not necessarily the total number of persons so handicapped. In regard to the above two important classes, the following are estimated totals:—

(a) Epileptics	
(i) Children under 16	132
(ii) Adults	65
(b) Spastics	
(i) Children under 16	153
(ii) Adults	27

Care is taken to ensure that, so far as possible, epileptic and spastic persons receive necessary treatment, education and accommodation and co-ordination is effected when necessary with the residential welfare and the hospital services.

Section XIII. Water Supplies and Sewerage

The period of financial stringency appears likely to last a little longer, but there are signs of an improvement. Increasing domestic, agricultural and industrial water consumption and continuous housing development in urban and rural areas necessitates improvements to water and sewerage services which cannot be deferred indefinitely.

Early in the year a preliminary notice was given by the Mid and South East Cheshire Water Board of its intention to apply for a contribution from the County Council towards the cost of a major water scheme. The Board propose to abstract water from the river Dee near Llangollen in Wales and divert it into the Ellesmere Feeder Canal which is intended to be used as an aqueduct for conveying water some forty-two miles to Hurleston, near Nantwich. The scheme includes a purification plant and laboratory at Hurleston, reservoirs and distribution mains.

A survey of the Feeder Canal between Llangollen and Hurleston was made for the purpose of detecting possible sources of pollution and reporting on the condition of the canal generally. The scheme in draft form has been submitted to the Ministry of Housing and Local Government.

Macclesfield Corporation and Macclesfield Rural Council jointly submitted preliminary proposals for an impounding reservoir of 272 million gallons capacity in the upper reaches of the river Dean on the western slopes of the Pennines, together with filtration plant and service reservoirs at Hurdsfield and Kerridge. The scheme was approved in principle by the County Council for contributions under the Public Health Act, 1936 and the Rural Water Supplies and Sewerage Act, 1944, respectively. Consulting civil engineers have been instructed to prepare full details for submission to the Ministry. The estimated cost of the scheme is £700,000.

The demand for mains water by farmers is increasing in proportion to the number of dairy farms with attested herds of cattle, entailing a higher standard of hygiene in the housing of stock and the cooling of milk.

In the area of the Mid and South East Cheshire Water Board, where the cattle population per acre is stated to be the highest in Europe, the peak demand for mains water at milking times is seriously taxing the capacity of the distribution system. The increasing cost of production of mains water and the fact that underground sources of supply are becoming generally depleted has led to the suggestion that milk refrigeration units should be provided at dairy farms in lieu of milk coolers.

Applications for loan sanction by Cheshire local authorities in 1954 were mainly for works of sewerage and sewage disposal, including village sewerage schemes in rural districts and improvements of sewerage systems in the urban areas of Altrincham, Bcbington, Sale and Wilmslow to relieve overloading and to provide sewerage facilities for undeveloped land.

Ministerial inquiries were held during the year in respect of sewerage schemes for Goostrey, Haslington, Wistaston, Sale and Wilmslow.

In July a petition was received from over two hundred residents of Church Lawton complaining of a nuisance from the sewage disposal works of Kidsgrove (Staffs) Urban Council which are situated in Cheshire. The works is seriously overtaxed causing serious pollution of a stream and there was an acute aerial nuisance due to a very large accumulation of sewage sludge on the site. As a result of representations to the Urban Council the sewage sludge was removed. A scheme for the reconstruction of the works is awaiting ministerial approval.

During the year Cheshire local authorities submitted the following schemes costing over 1½ million pounds to the County Council for contributions under the Rural Water Supplies and Scwerage Act, 1944 and the Public Health Act, 1936.

Bucklow Rural District. Water Mains extensions

Plumley	720 yards	estimated cost	£800
Mere	3250 yards	do.	£6,160
Tabley			

High Legh. Revised scheme for works of sewerage and sewage disposal for council housing development and other existing houses. Estimated cost, £11,500.

Peover Superior. Works of sewerage and sewage disposal for council housing development and other existing houses. Estimated cost £25,700.

Bollington Urban District

1162 yards of mains extensions and a small booster station to serve premises on high ground near the Urban District boundary. Estimated cost, £5,639.

Congleton Rural District

Brereton Green. Works of sewerage and sewage disposal for council housing development and other existing houses. Estimated cost, £12,500.

Goostrey. Works of sewerage and sewage disposal for the village of Goostrey, including council housing development. Estimated cost, £50,650.

Macclesfield Rural District

Works of water supply consisting of a borewell, pumping station, reservoir and break pressure tank at Pott Shrigley and 13,440 yards of distribution mains in the parishes of Adlington, Pott Shrigley, Prestbury and Rainow. Estimated cost, £39,212.

North Rode and Eaton. Extension of water main for approximately one mile from Sutton to North Rode to supplement the local source of supply. Estimated cost, £3,931.

Nether Alderley and Great Warford. Works of sewerage and sewage disposal to serve housing development, industry and institutions. Estimated cost, £76,410.

Sutton. Works of sewerage for the village of Langley, connecting with Macclesfield Borough sewerage system. Estimated cost, £24,553.

Nantwich Rural District

Willaston and Wistaston. Construction of 2,300 yards of sewer to replace an existing defective and overloaded sewer. Estimated cost, £44,400.

Diversion of outfall sewer and extensions to Wistaston Sewage Disposal Works. Estimated cost, £66,000.

Haslington. Construction of new sewage disposal works to replace the existing works. Estimated cost, £42,500.

Northwich Rural District

Higher Wincham. Works of sewerage and sewage disposal for the parish of Wincham, including council housing development. Estimated cost, £15,344.

Tarporley. Construction of sludge drying beds at Tarporley Sewage Disposal Works. Estimated cost, £1,906.

Sandbach Urban District

Construction of approximately 600 yards of sewer in Park Lane to serve existing and proposed development. Estimated cost, £1,280.

Borough of Sale

Improvement and extension of the sewerage system for the prevention of flooding and to serve undeveloped parts of the borough. Extensions to the sewage disposal works. Estimated cost, £700,000.

Wilmslow Urban District

Improvement and extension of the sewerage system for the prevention of flooding and to serve undeveloped parts of the district.

Extensions to the northern sewage disposal works. Estimated cost, £152,000.

Borough of Bebington

Improvement and extension of Thornton Hough Sewage Works. Estimated cost, £3,600.

Works of sewerage for Storeton including a connection to the Fender Valley Sewer. Estimated cost, £5,300.

Replacement of defective outfall sewer at New Ferry. Estimated cost, £27,000.

Dibbin Valley Sewerage Scheme. Construction of 5,120 yards of 24—35 inch diameter sewer along the Dibbin Valley from Eastham to a sewage pumping station at Spital with a rising main and a 39 inch diameter sewer discharging to recently completed sewage storage tanks at New Ferry. This will eliminate Eastham Sewage Works and four smaller works in the Dibbin Valley and will provide sewerage facilities for undeveloped parts of the borough. Estimated cost, £285,000.

Borough of Altrincham

Construction of 1,240 yards of 18—48 inches diameter relief sewer in Atlantic Street and a storm overflow for the prevention of flooding. Estimated cost, £52,100.

